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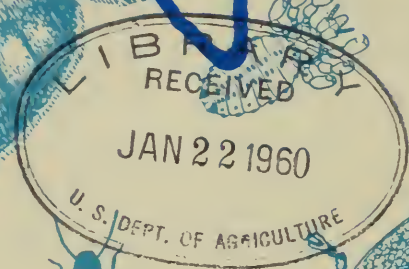
A423  
R316Co  
1959

Cooperative

# ECONOMIC INSECT REPORT

## DISTRIBUTION MAPS

Issued 1959 by  
PLANT PEST CONTROL DIVISION  
AGRICULTURAL RESEARCH SERVICE  
UNITED STATES DEPARTMENT OF AGRICULTURE



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DEPARTMENT OF AGRICULTURE  
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BOOK NUMBER

A423  
R316Co

965336

1 is issued weekly as a service to American Agriculture. Its contents are compiled from information supplied by cooperating State, Federal, and industrial entomologists and other agricultural workers. In releasing this material the Division serves as a clearinghouse and does not assume responsibility for accuracy of the material.

Reports and inquiries pertaining to this release should be mailed to:

Survey and Detection Operations  
Plant Pest Control Division  
Agricultural Research Service  
United States Department of Agriculture  
Washington 25, D. C.



965336

DISTRIBUTION MAPS OF SOME INSECT  
PESTS IN THE UNITED STATES\*

Special distribution maps on important insect pests, mostly introduced species, have been carried in the Cooperative Economic Insect Report since 1954. The records for most of these maps were obtained from special state reports, survey and detection files and the U. S. National Museum.

In answer to many requests, the maps have been assembled in a single compilation. Included with the special series are maps on certain Plant Pest Control Division programs and several major pests of perennial interest such as European corn borer and alfalfa weevil. Insofar as possible, the material issued earlier has been brought up to date, mainly through use of survey and detection files. Additional records on these species are welcomed, and, if such are received, will be included in revisions.

The grasshopper maps are from the series on rangeland grasshoppers, which was carried in the Report in 1956-1957. A. B. Gurney, coauthor of that series, has realigned the maps on the Melanoplus mexicanus complex according to findings of recent research in this group. (A. B. Gurney and A. R. Brooks, U. S. Nat. Mus. Proc. 110(3416):1-93, 1959).

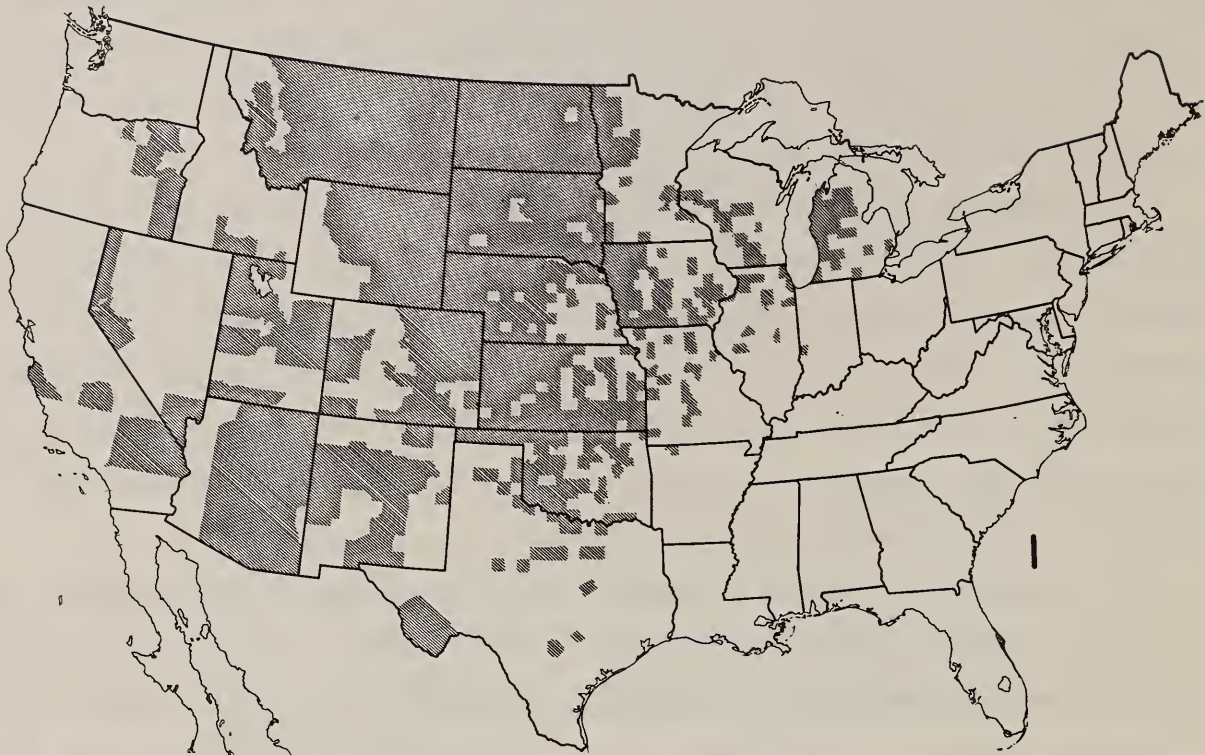
The maps are arranged alphabetically under subject categories. Copies of this compilation are available from the address shown on the inside front cover.

Survey and Detection Operations  
PPC, ARS  
December 1959

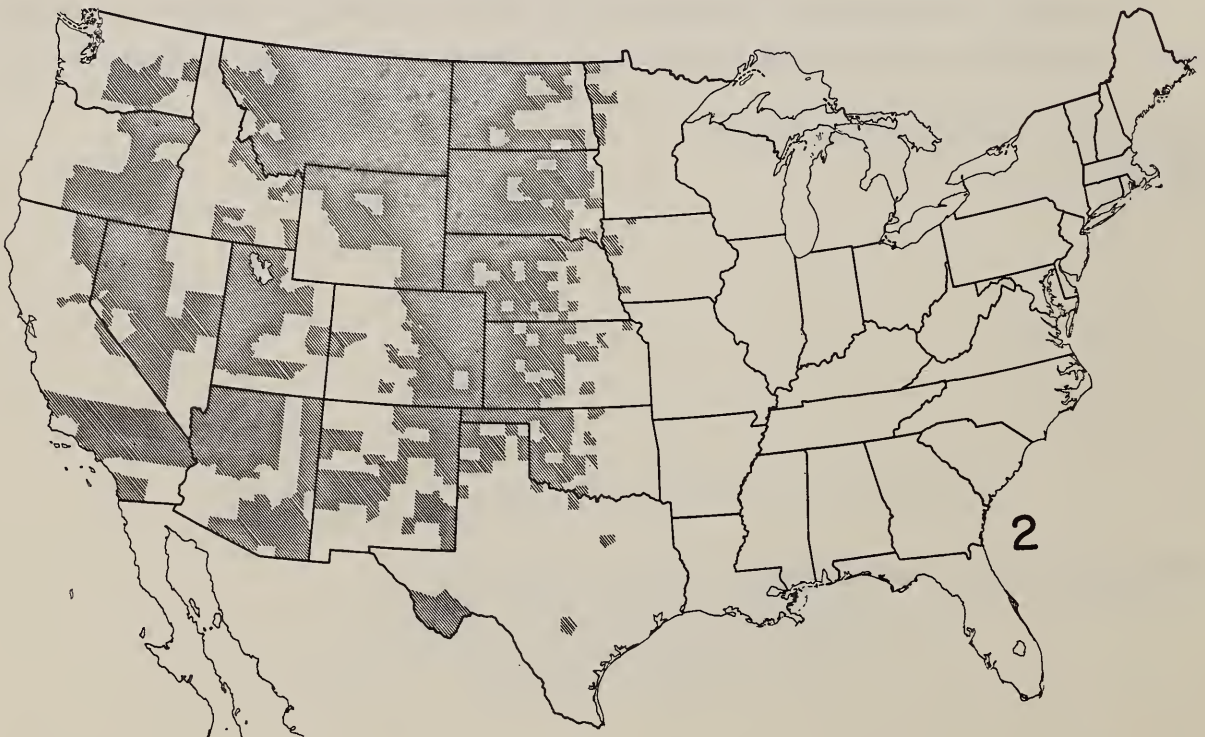
\*Excluding Hawaii and Alaska

CEREAL AND FORAGE INSECTS

Ageneotettix deorum (a grasshopper)



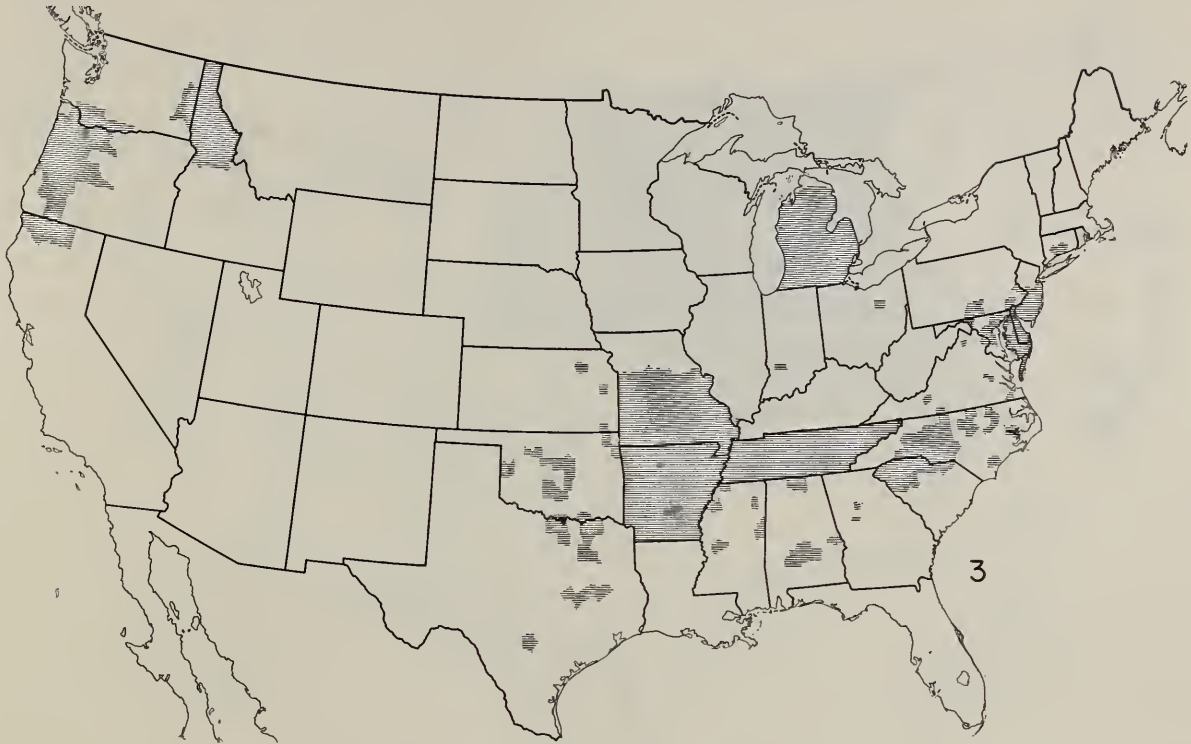
Aulocara ellioti (a grasshopper)



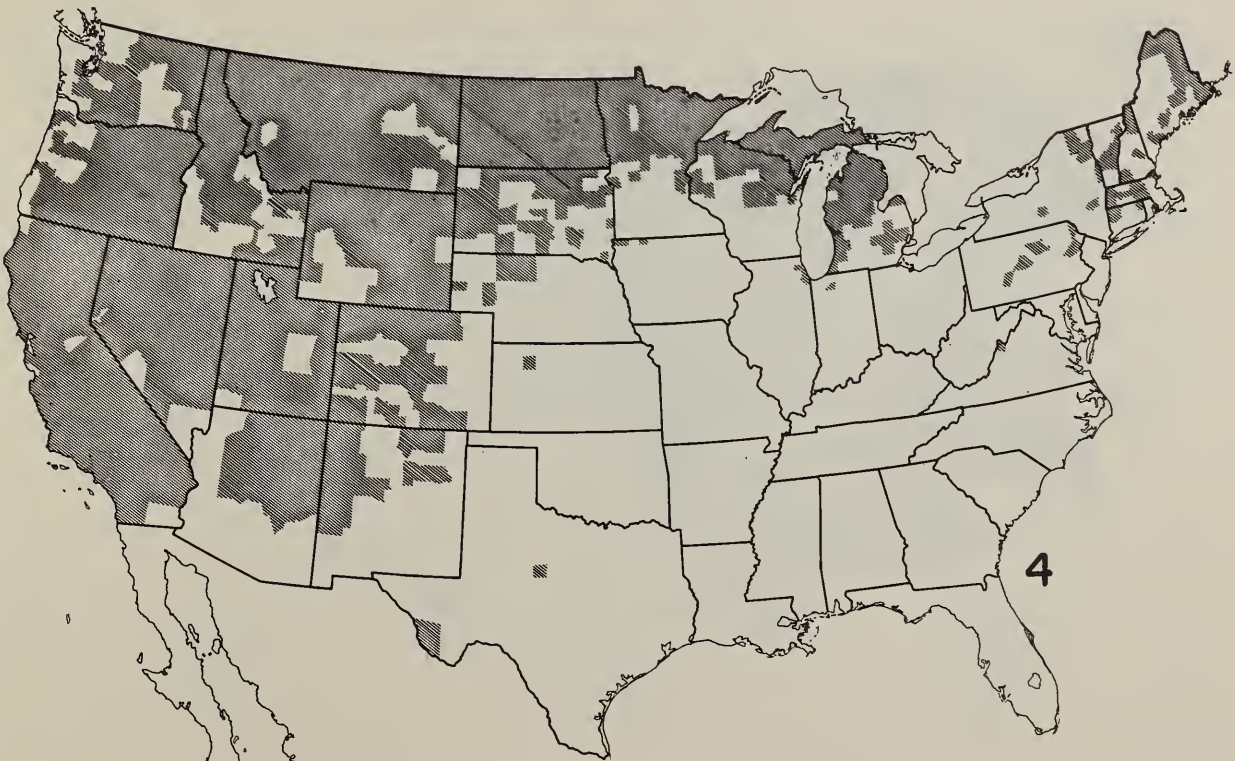


CEREAL AND FORAGE INSECTS

Bruchus brachialis (vetch bruchid)

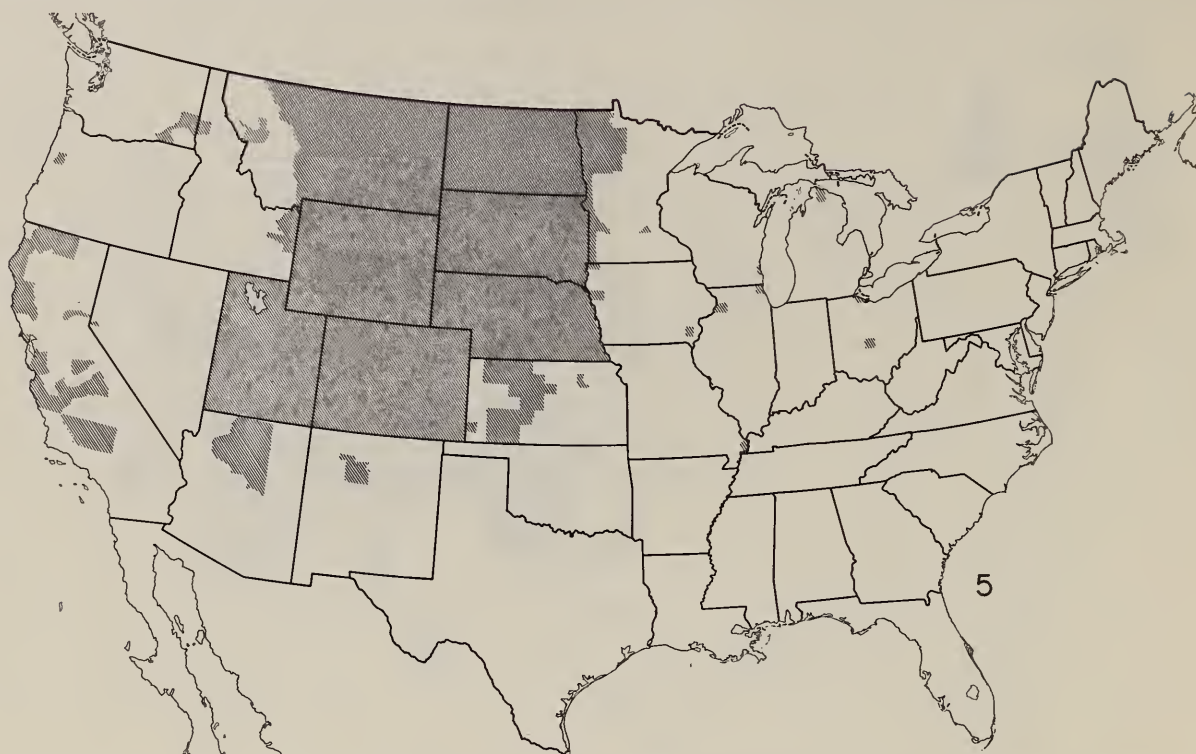


Camnula pellucida (clear-winged grasshopper)

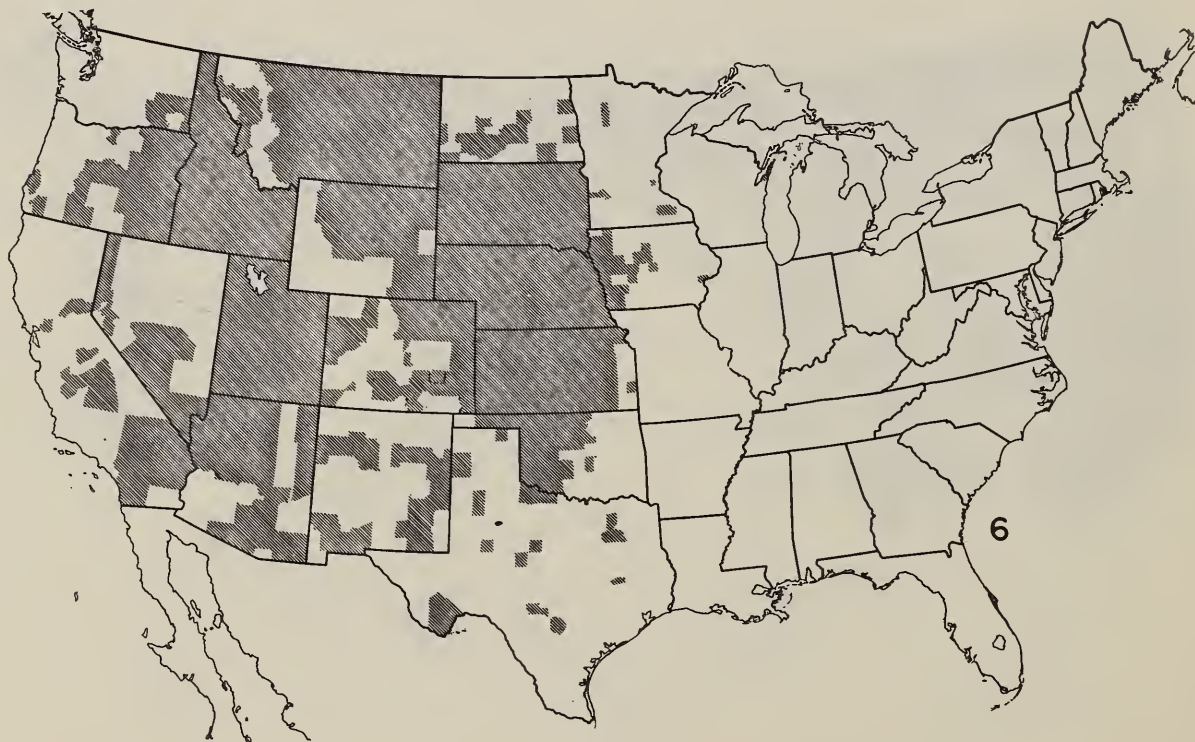


CEREAL AND FORAGE INSECTS

Cephus cinctus (wheat stem sawfly)



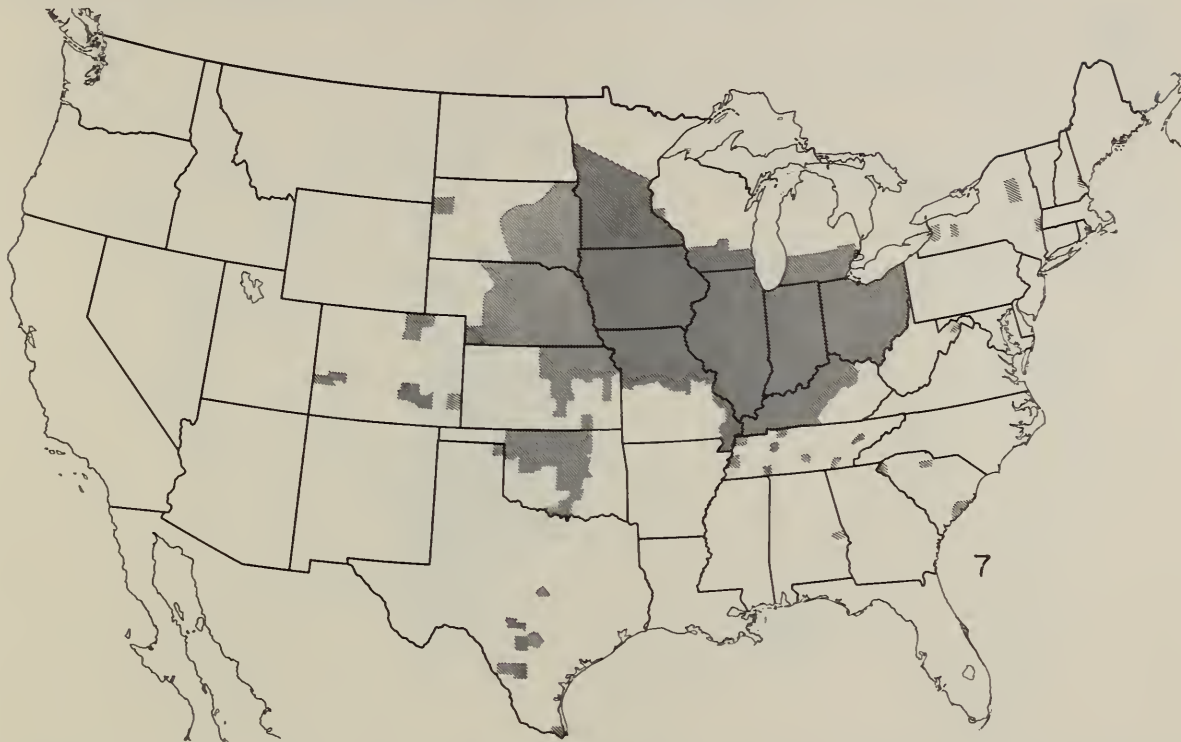
Chorizagrotis auxiliaris (army cutworm)



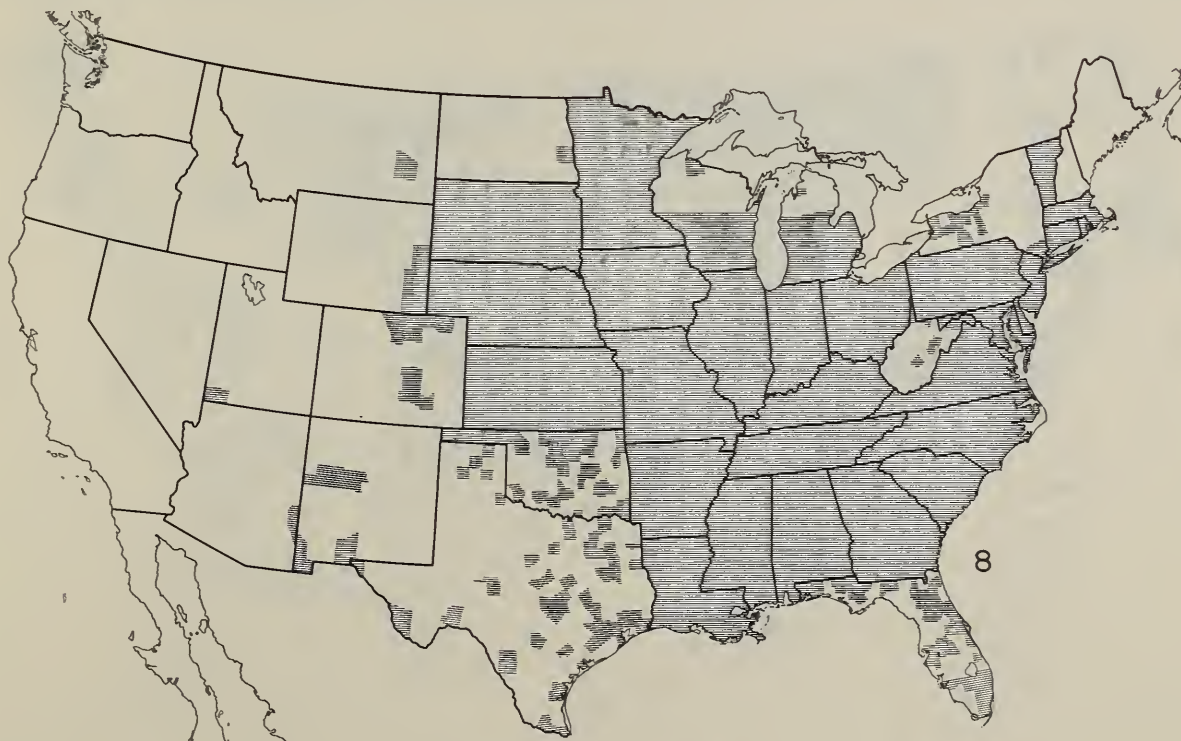


CEREAL AND FORAGE INSECTS

Diabrotica longicornis (northern corn rootworm)

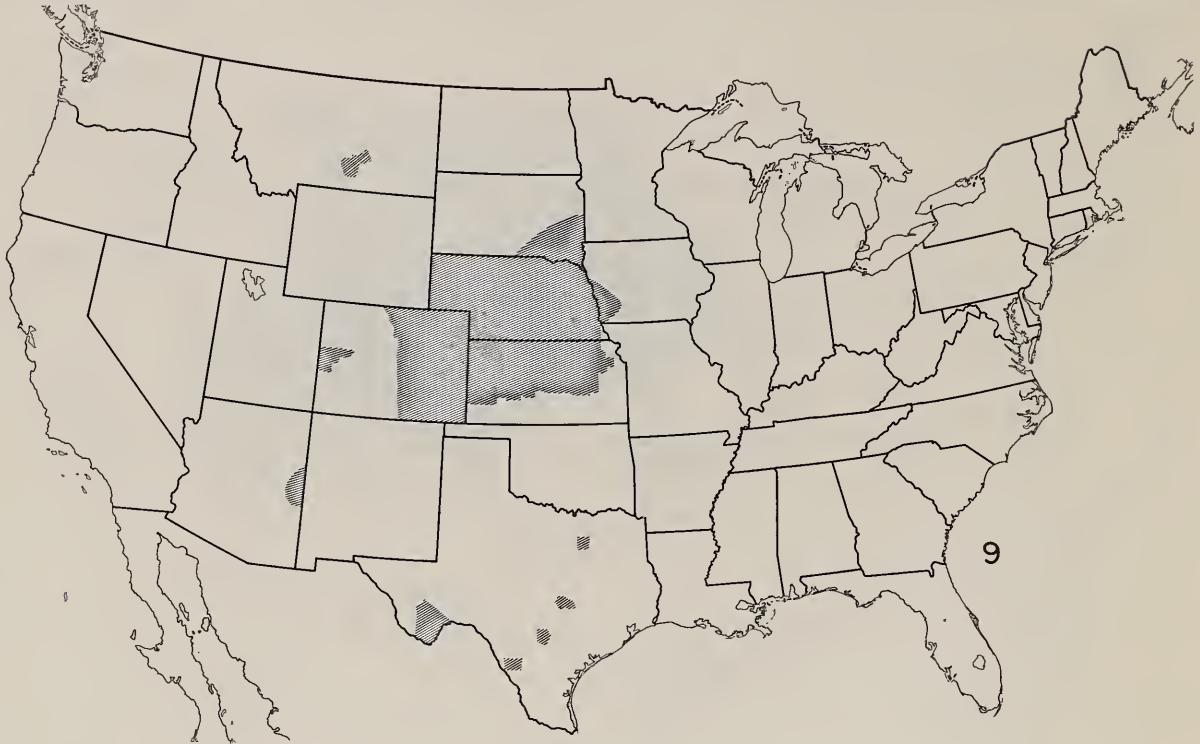


Diabrotica undecimpunctata howardi (southern corn rootworm)

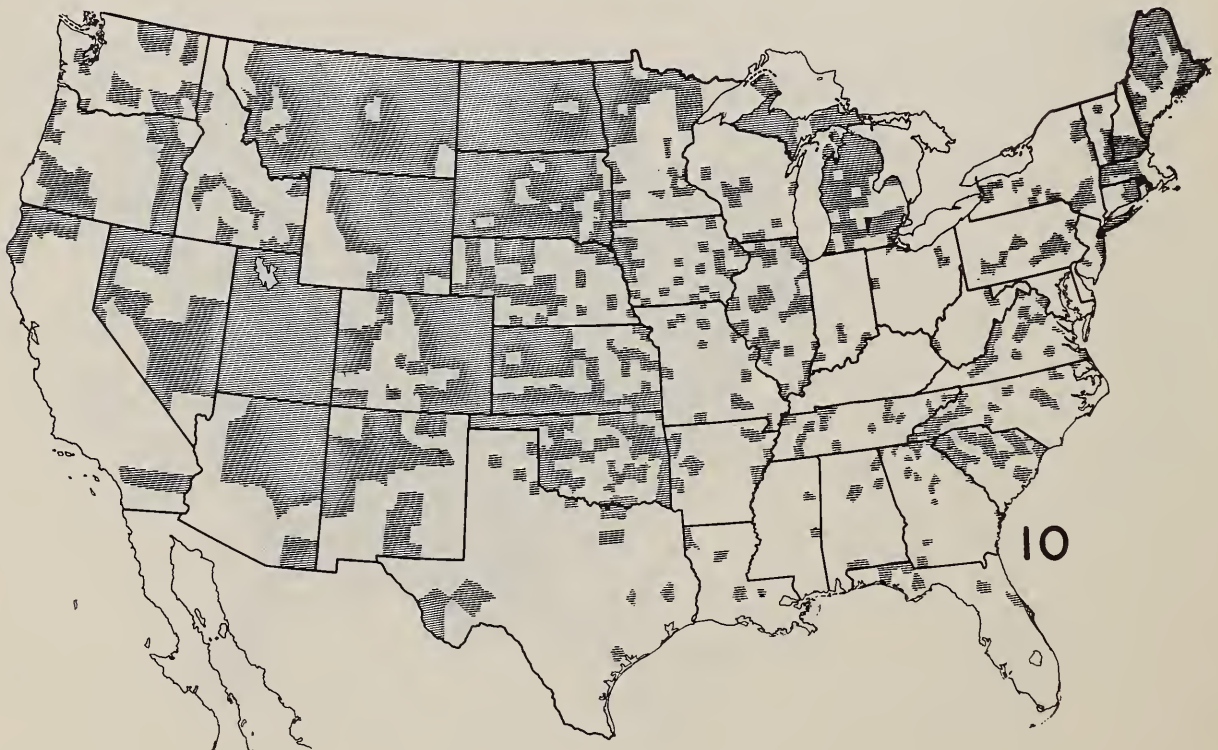


CEREAL AND FORAGE INSECTS

Diabrotica virgifera (western corn rootworm)



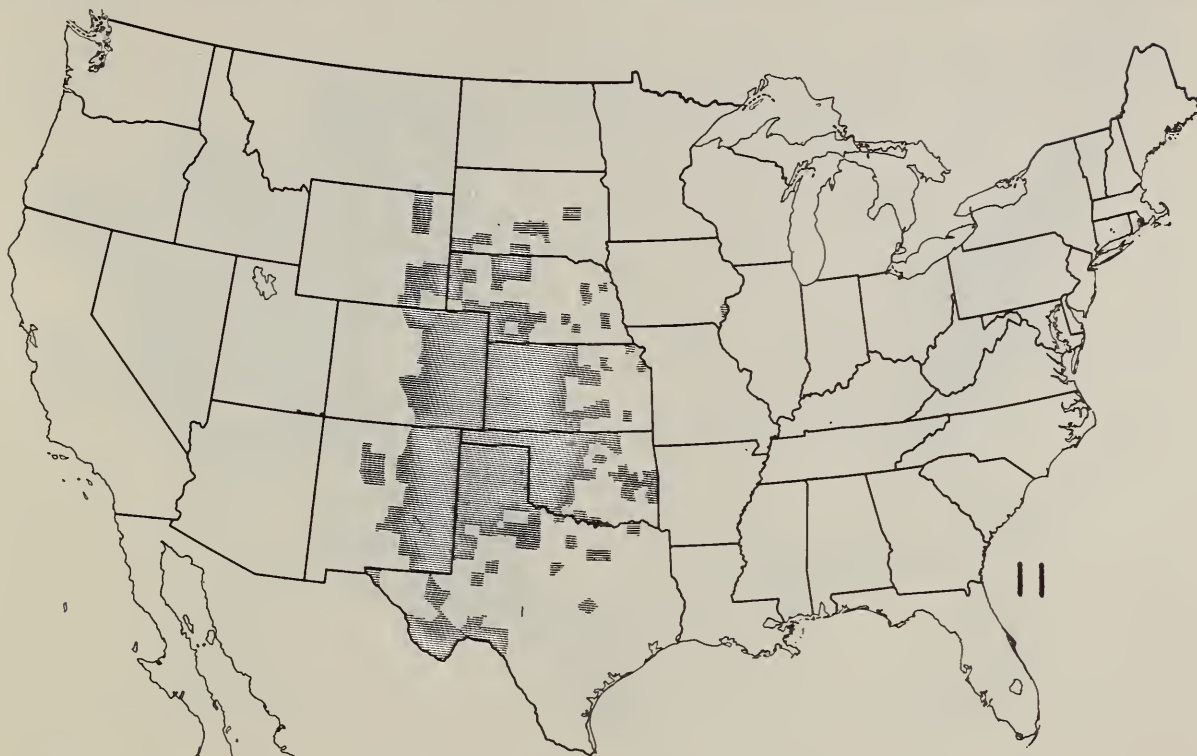
Dissosteira carolina (Carolina grasshopper)



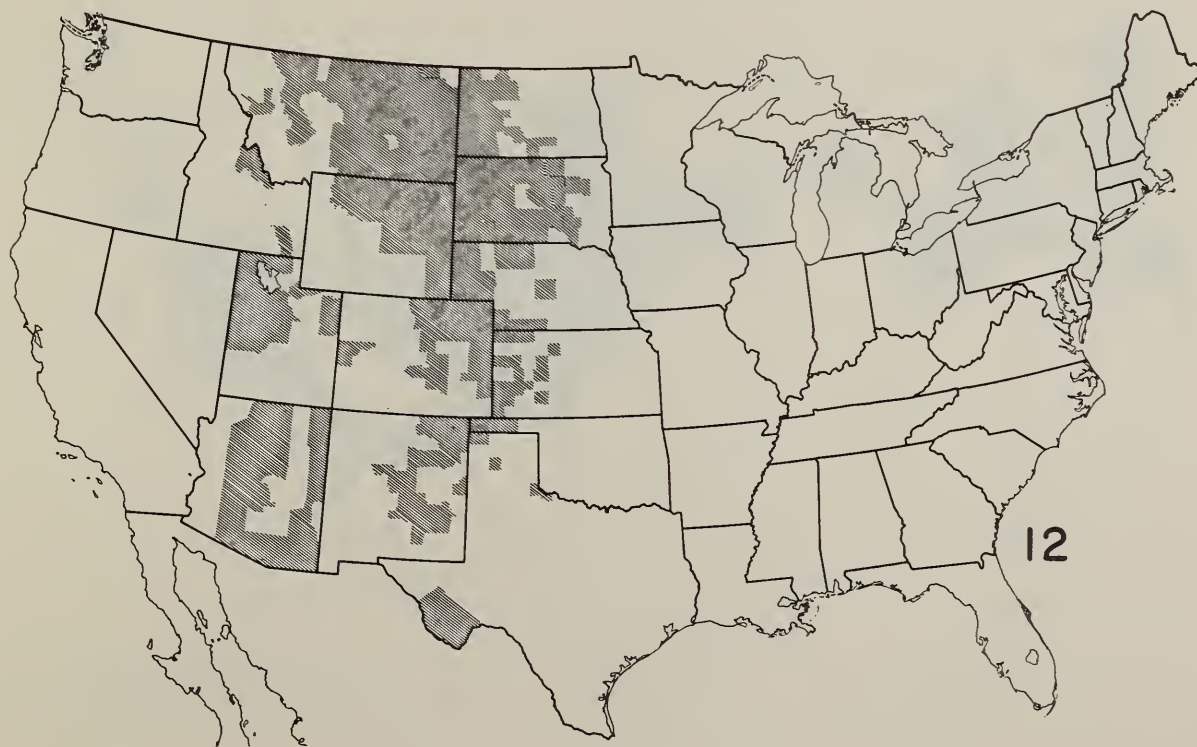


CEREAL AND FORAGE INSECTS

Dissosteira longipennis (High Plains grasshopper)



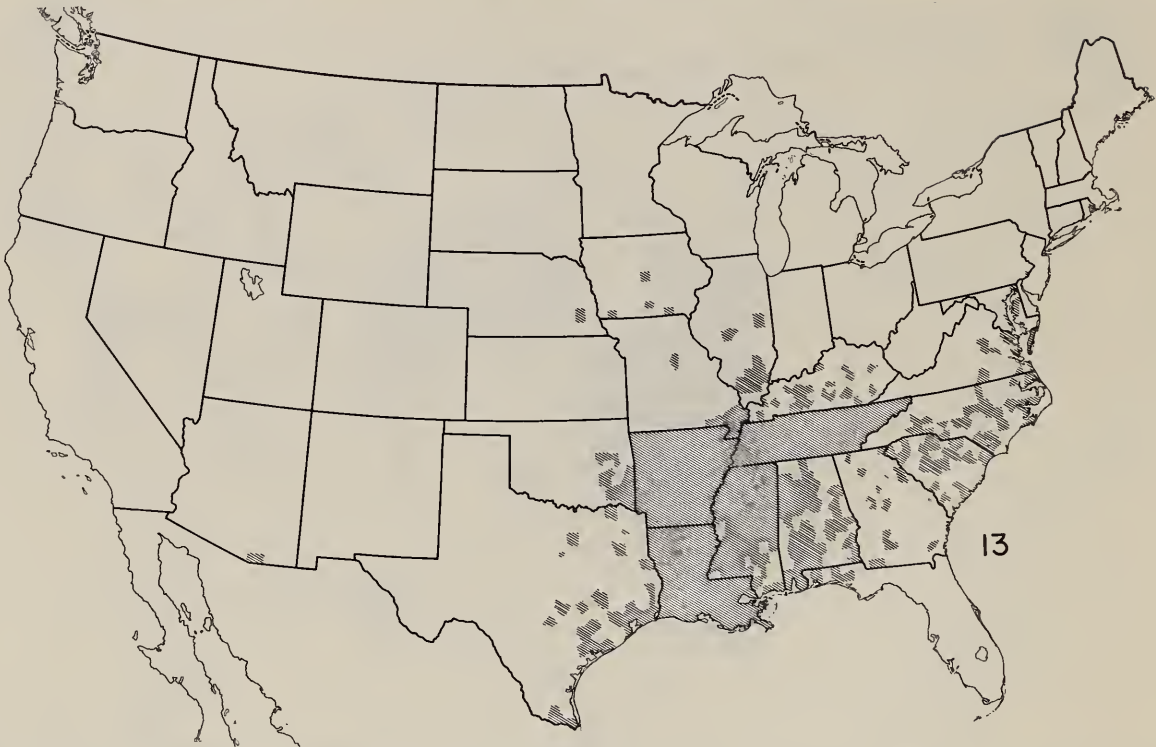
Drepanopterna femoratum (a grasshopper)



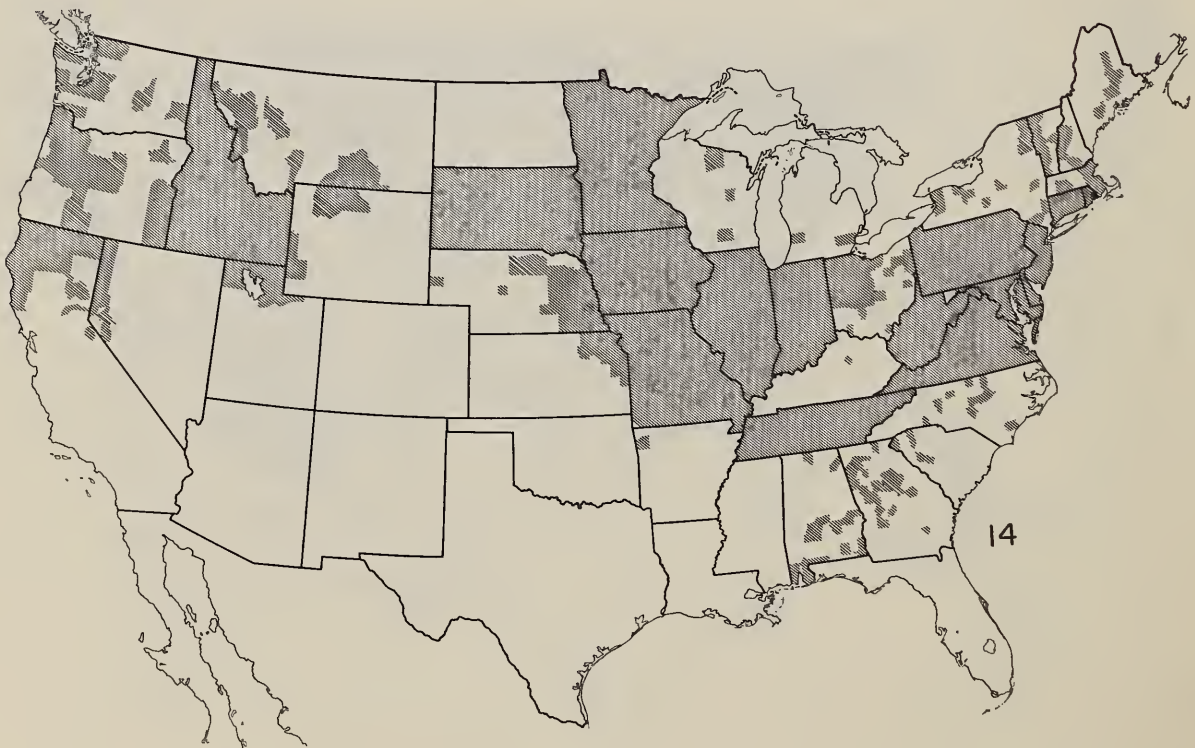


CEREAL AND FORAGE INSECTS

Euetheola rugiceps (sugarcane beetle)

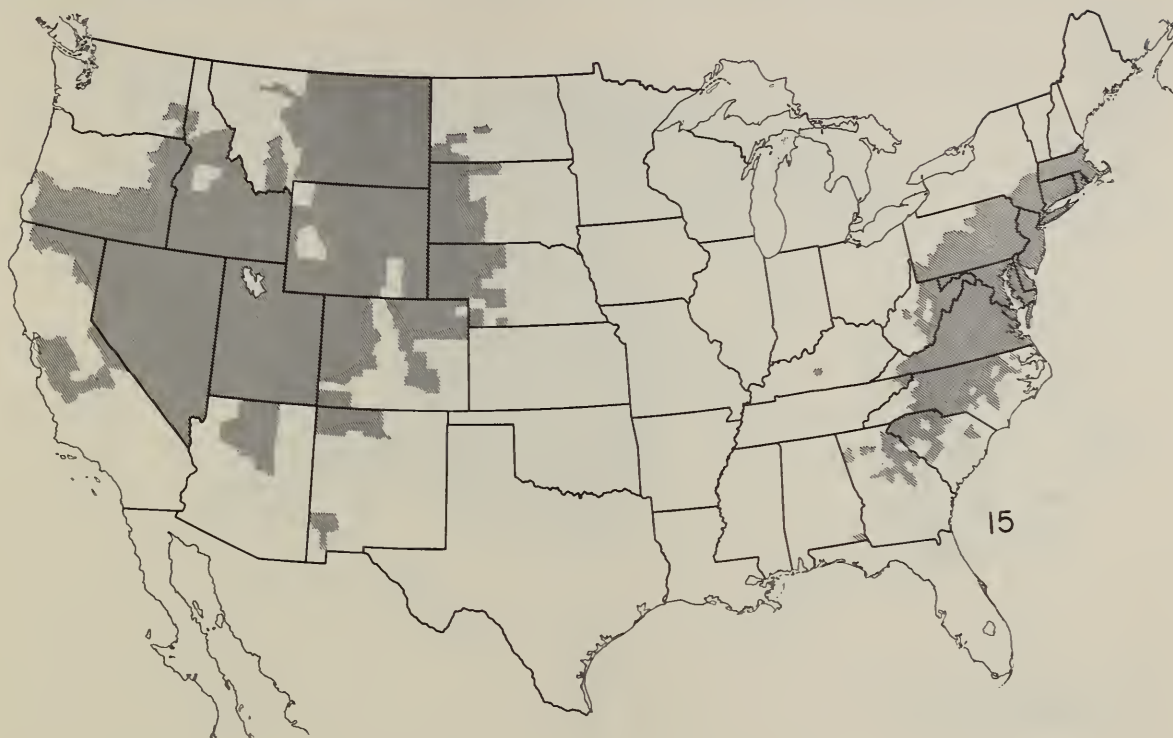


Hypera nigrirostris (lesser clover leaf weevil)

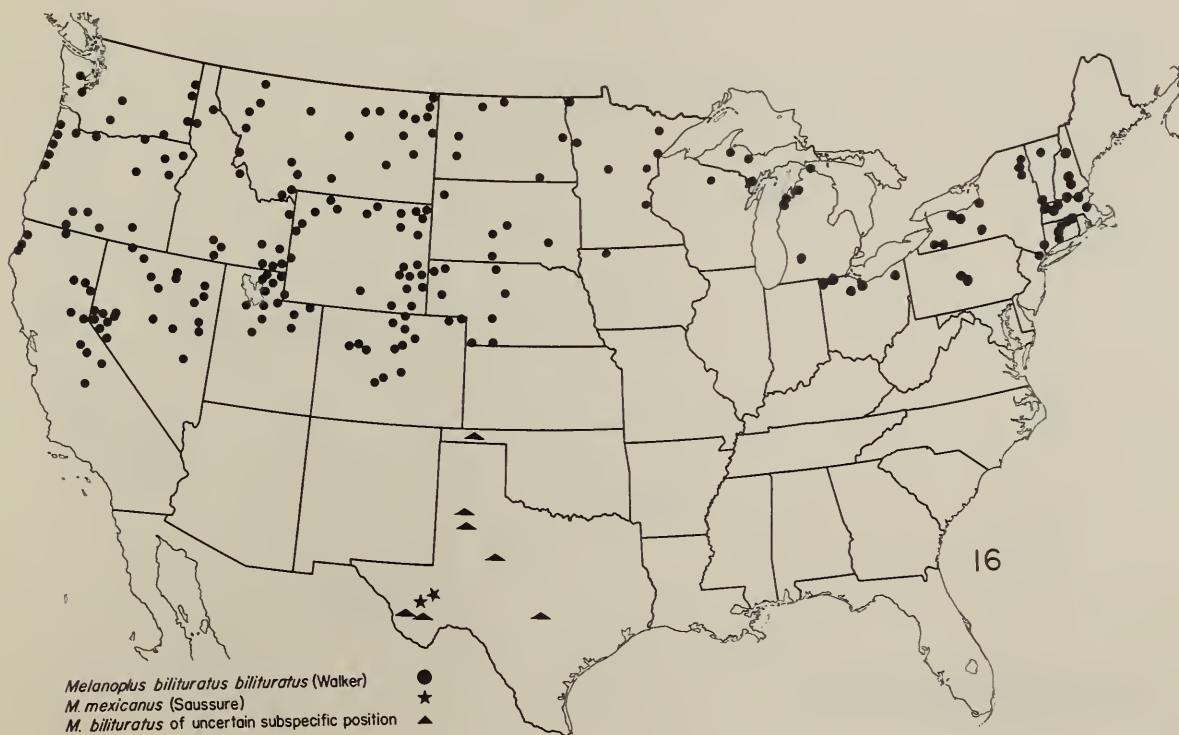


CEREAL AND FORAGE INSECTS

Hypera postica (alfalfa weevil)

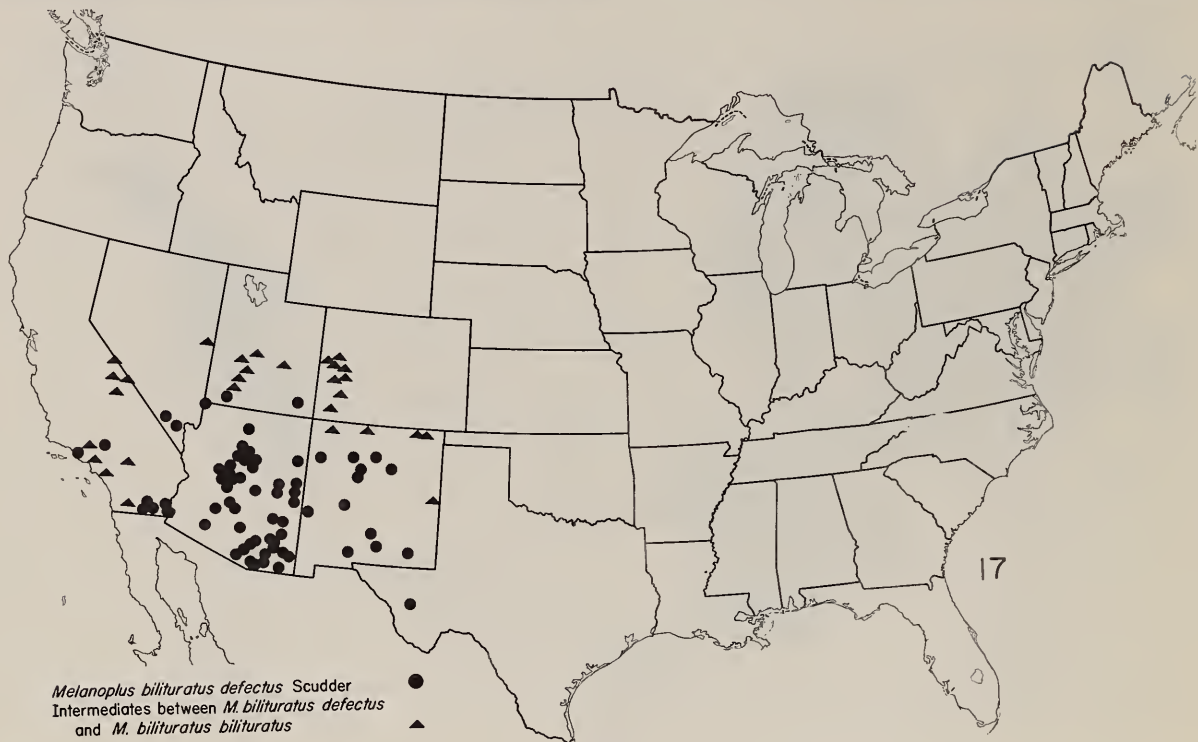


Melanoplus bilituratus bilituratus (migratory grasshopper)

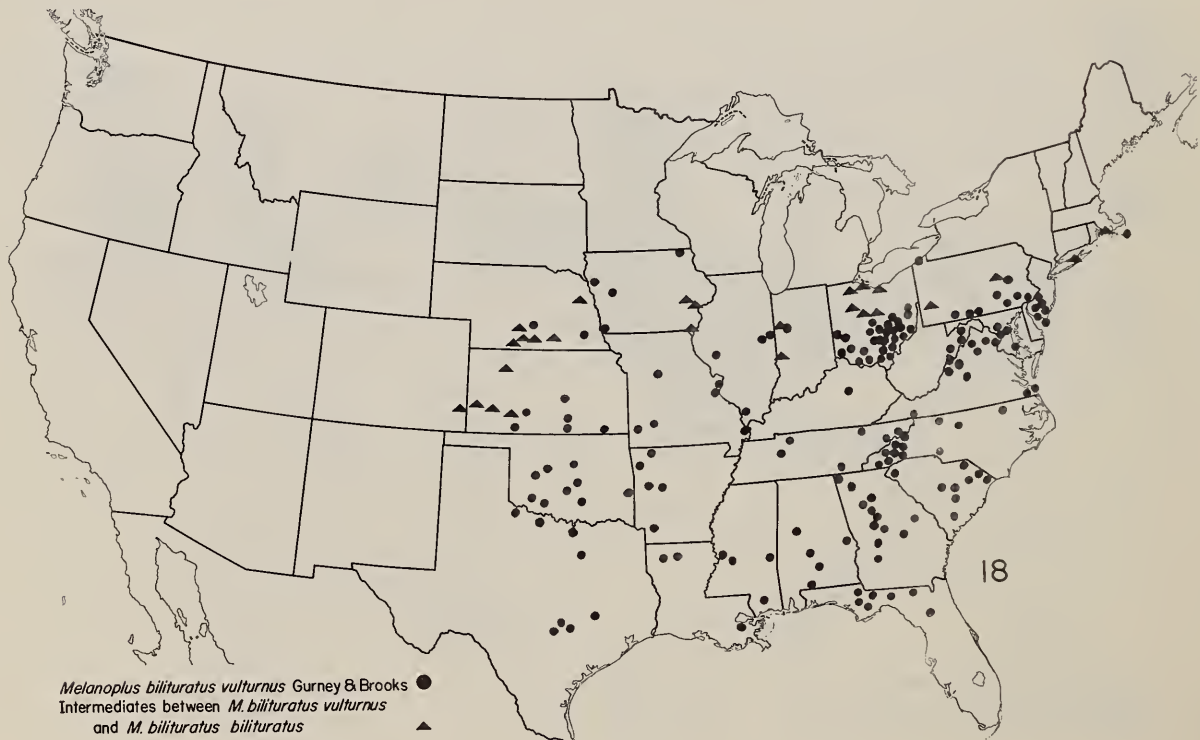


CEREAL AND FORAGE INSECTS

Melanoplus bilituratus defectus (a grasshopper)



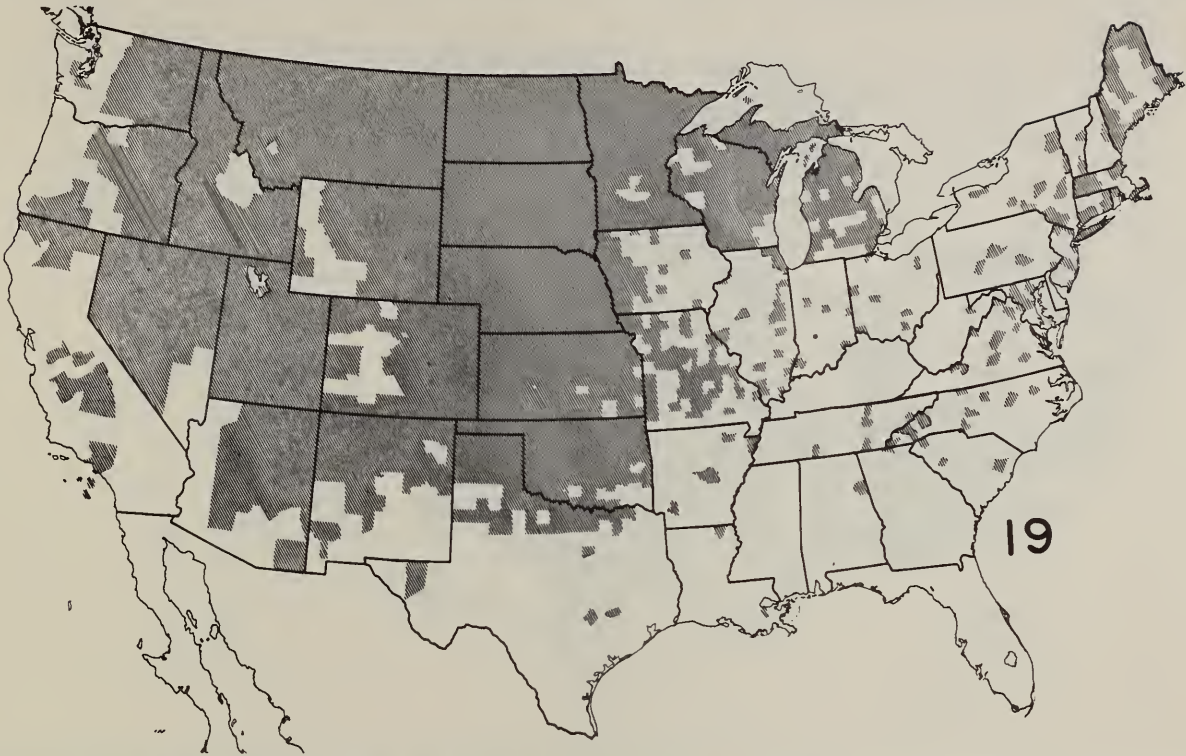
Melanoplus bilituratus vulturinus (a grasshopper)





CEREAL AND FORAGE INSECTS

Melanoplus bivittatus (two-striped grasshopper)

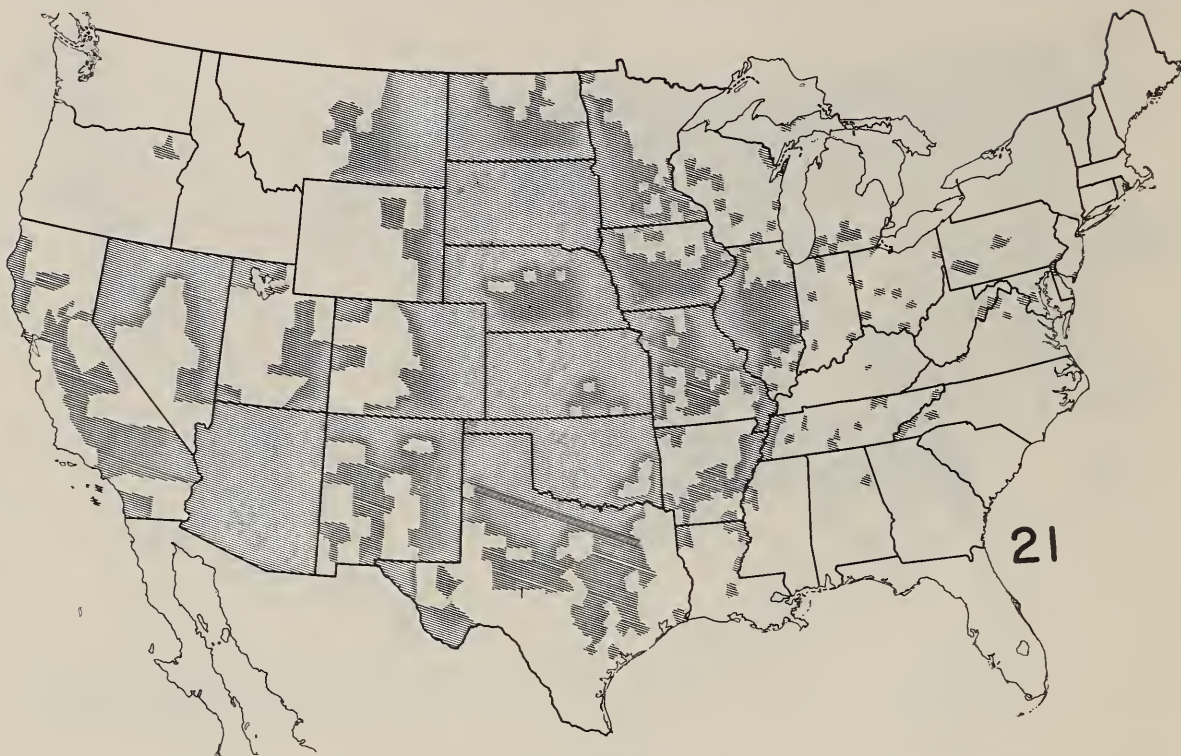


Melanoplus devastator (devastating grasshopper)

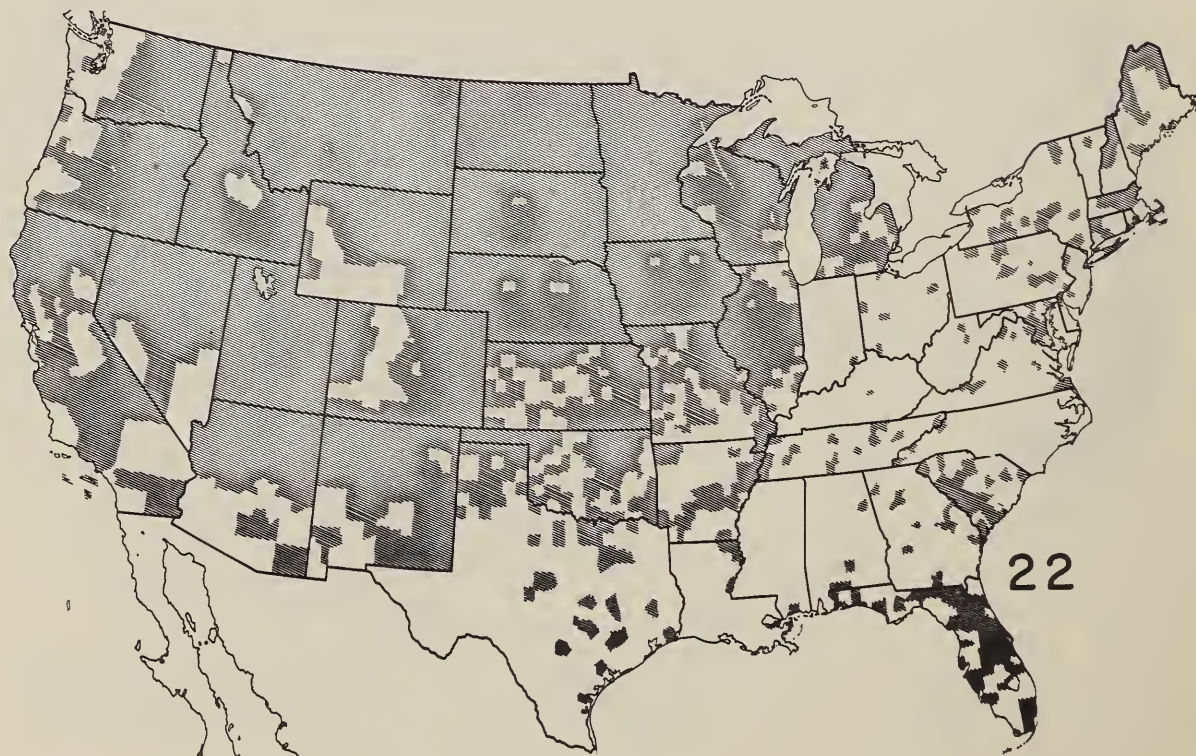


CEREAL AND FORAGE INSECTS

Melanoplus differentialis (differential grasshopper)



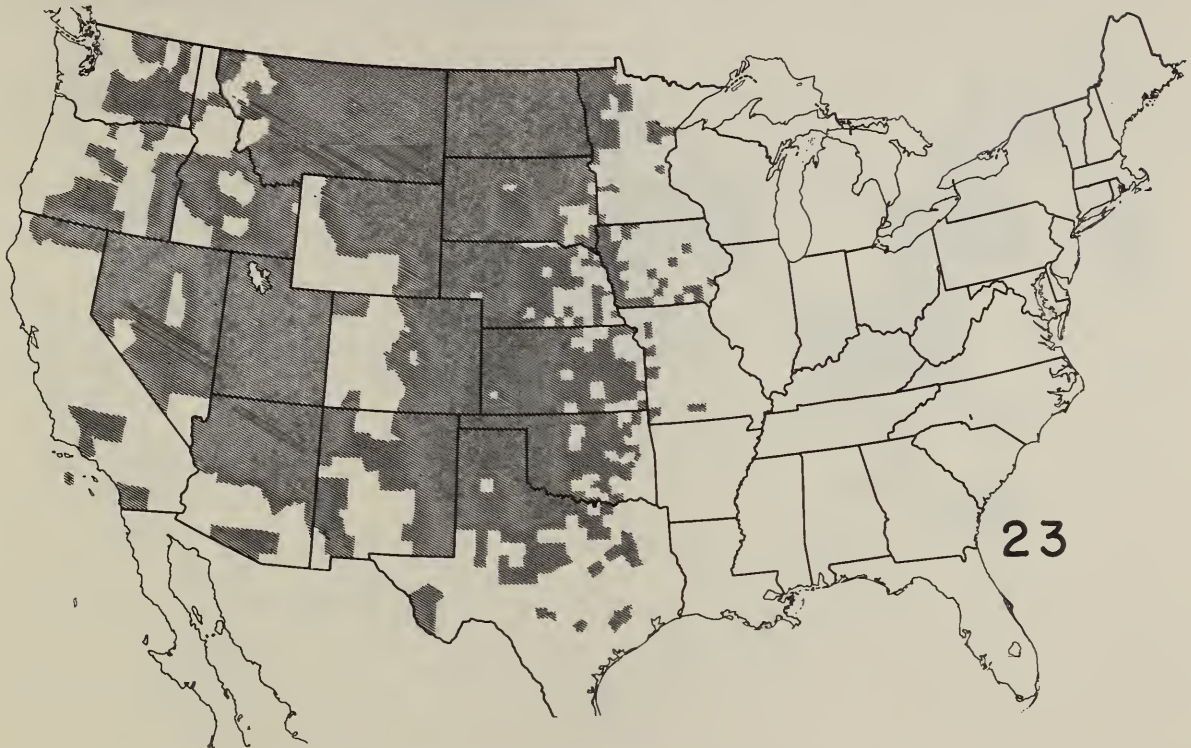
Melanoplus femur-rubrum (red-legged grasshopper)



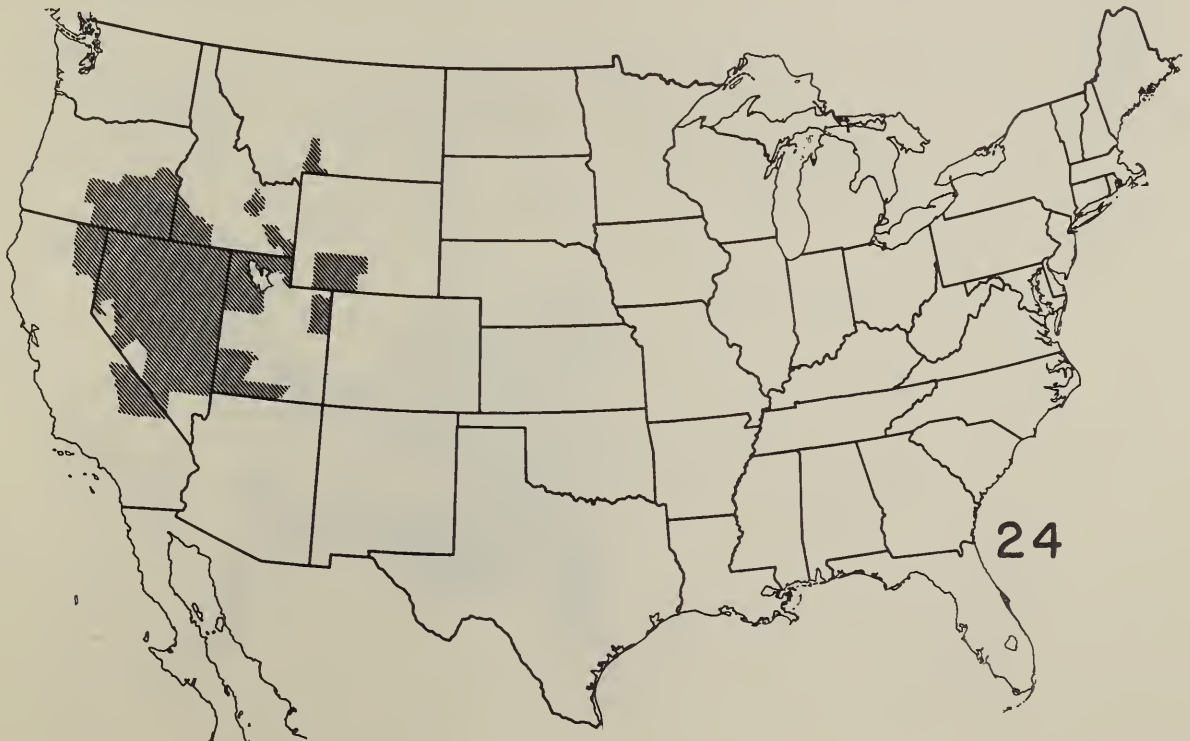


CEREAL AND FORAGE INSECTS

Melanoplus packardii (Packard grasshopper)



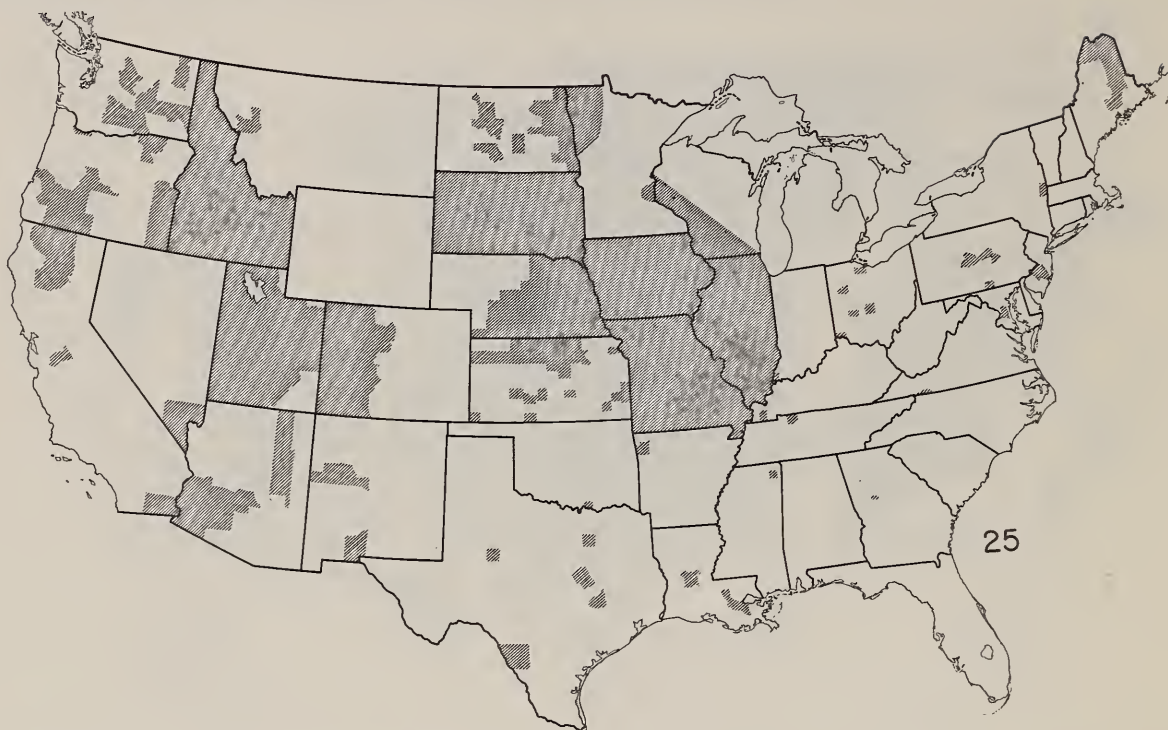
Melanoplus rugglesi (Nevada sage grasshopper)



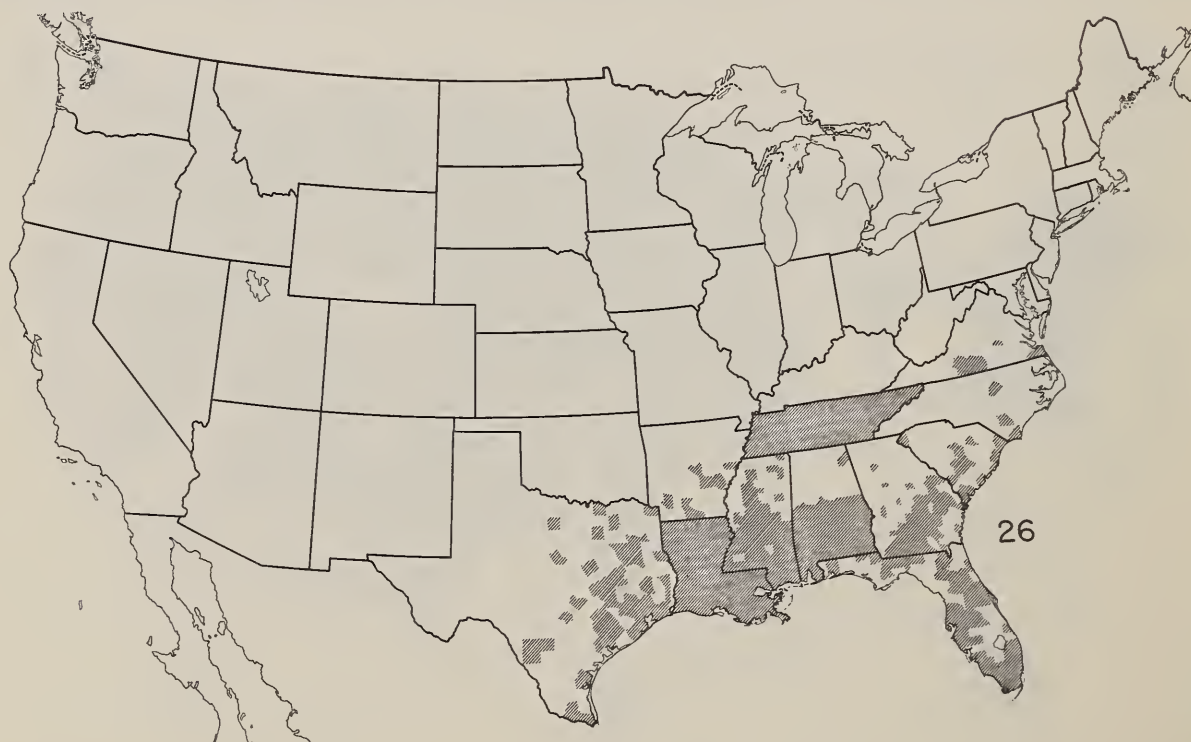


CEREAL AND FORAGE INSECTS

Therioaphis rieghi (sweetclover aphid)\*



Nezara viridula (southern green stink bug)



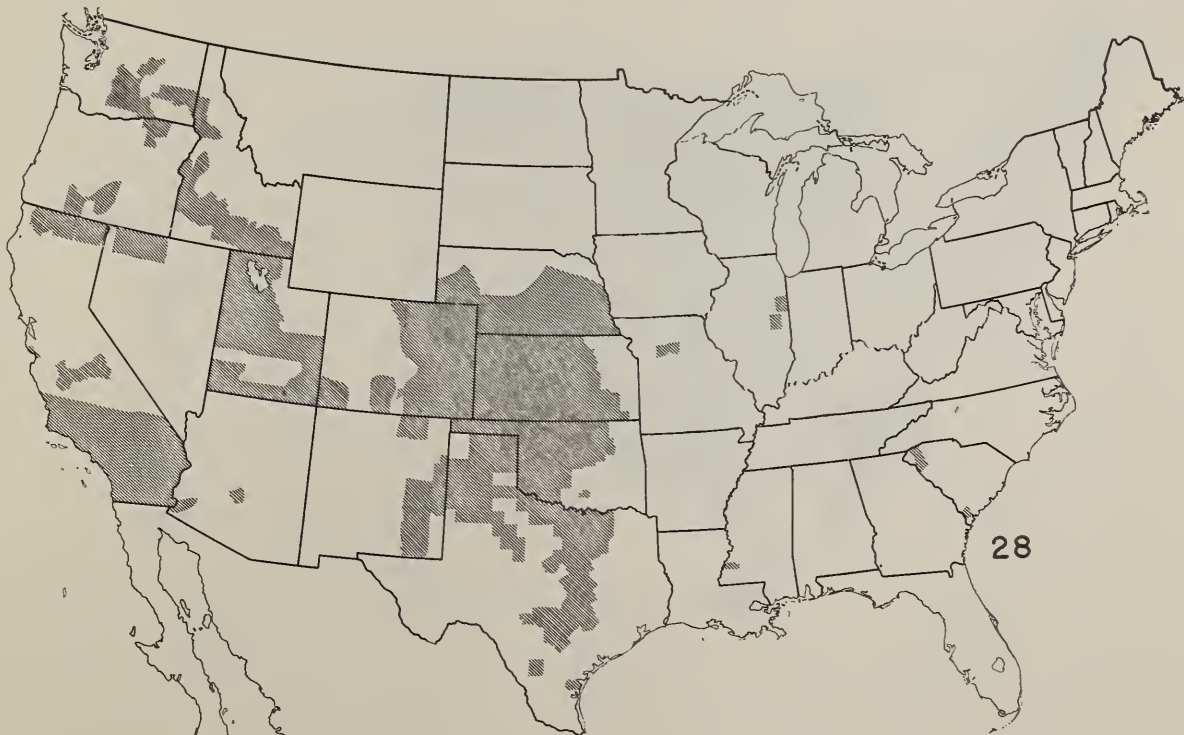
\*Formerly known as Myzocallidium rieghi

CEREAL AND FORAGE INSECTS

Oedaleonotus enigma (a grasshopper)

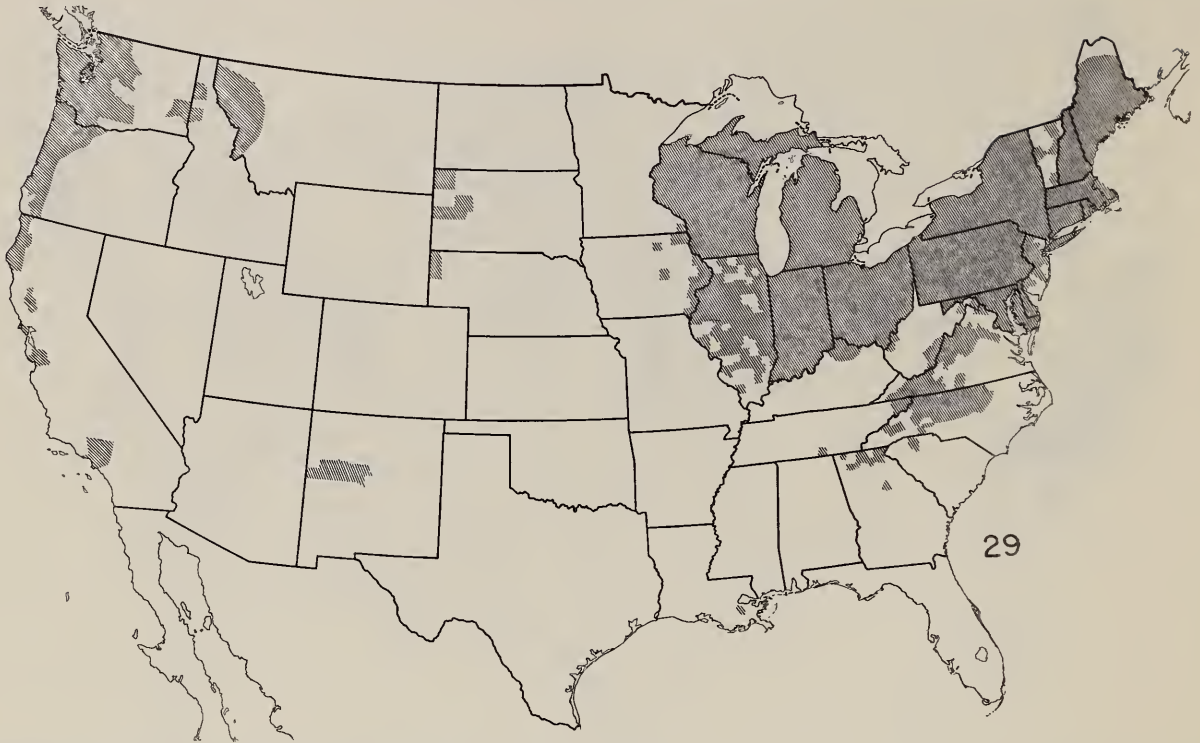


Petrobia latens (brown wheat mite)

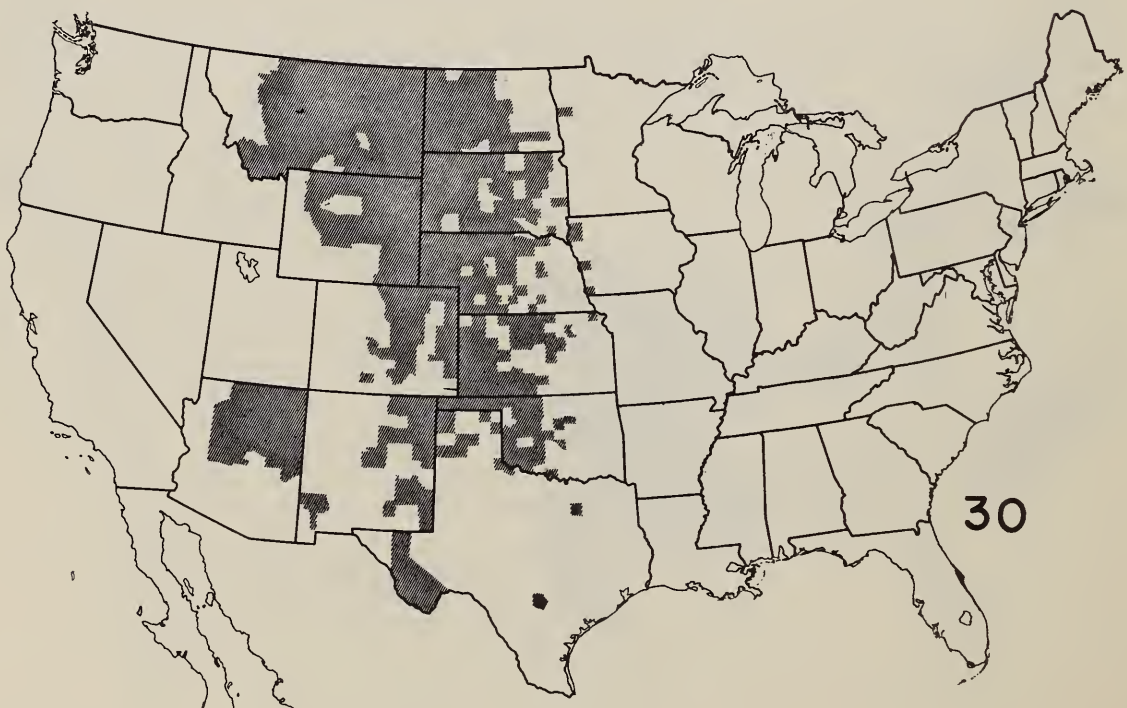


CEREAL AND FORAGE INSECTS

Philaenus leucophthalmus (meadow spittlebug)



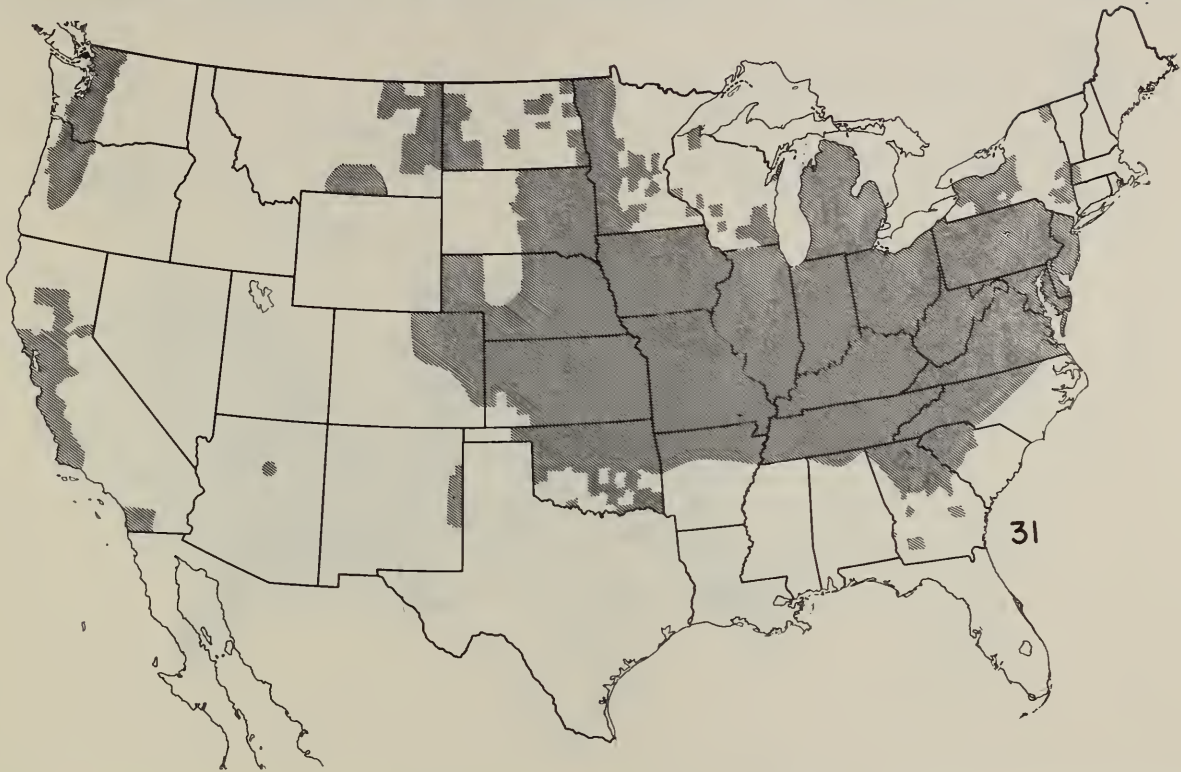
Philibostroma quadrimaculatum (a grasshopper)



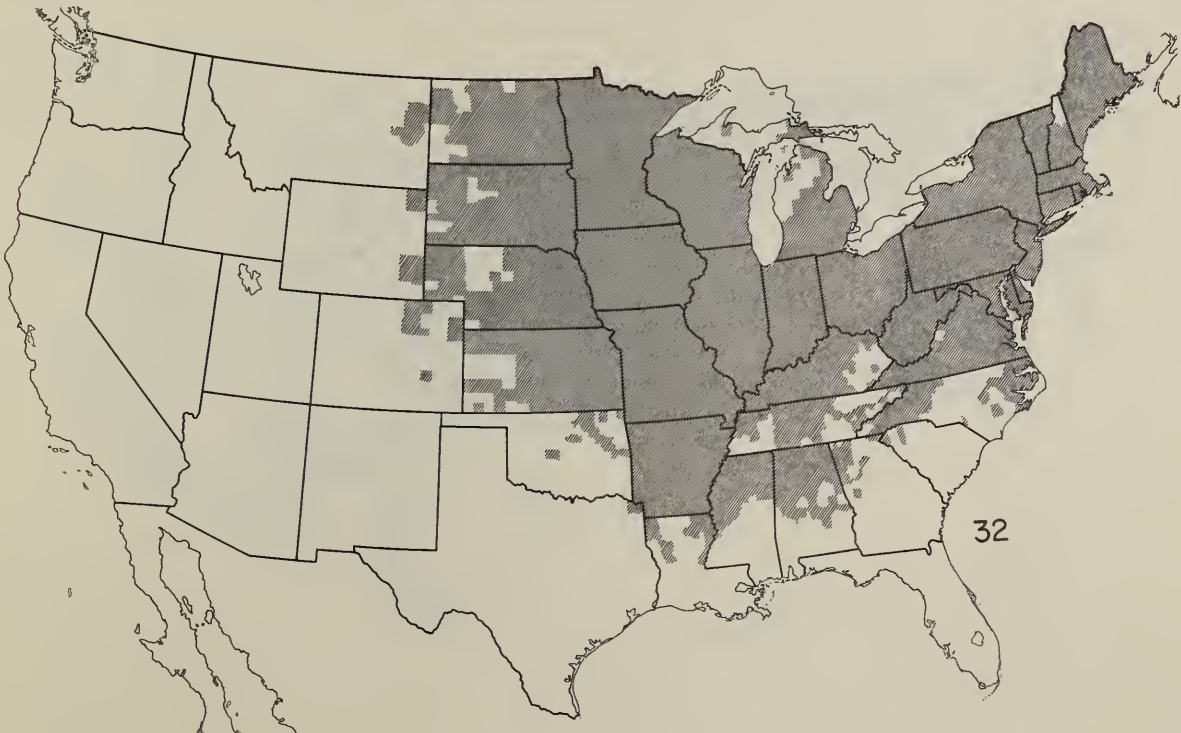


CEREAL AND FORAGE INSECTS

Phytophaga destructor (hessian fly)



Pyrausta nubilalis (European corn borer)

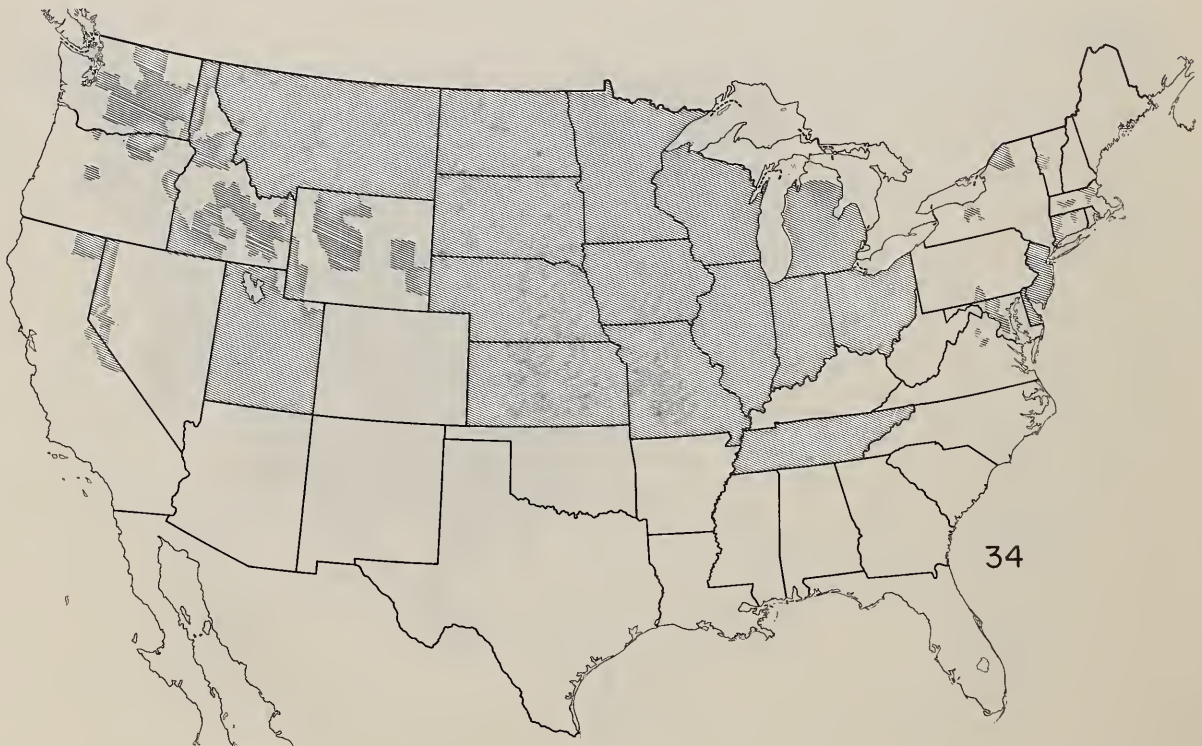


CEREAL AND FORAGE INSECTS

Schistocerca americana (American grasshopper)



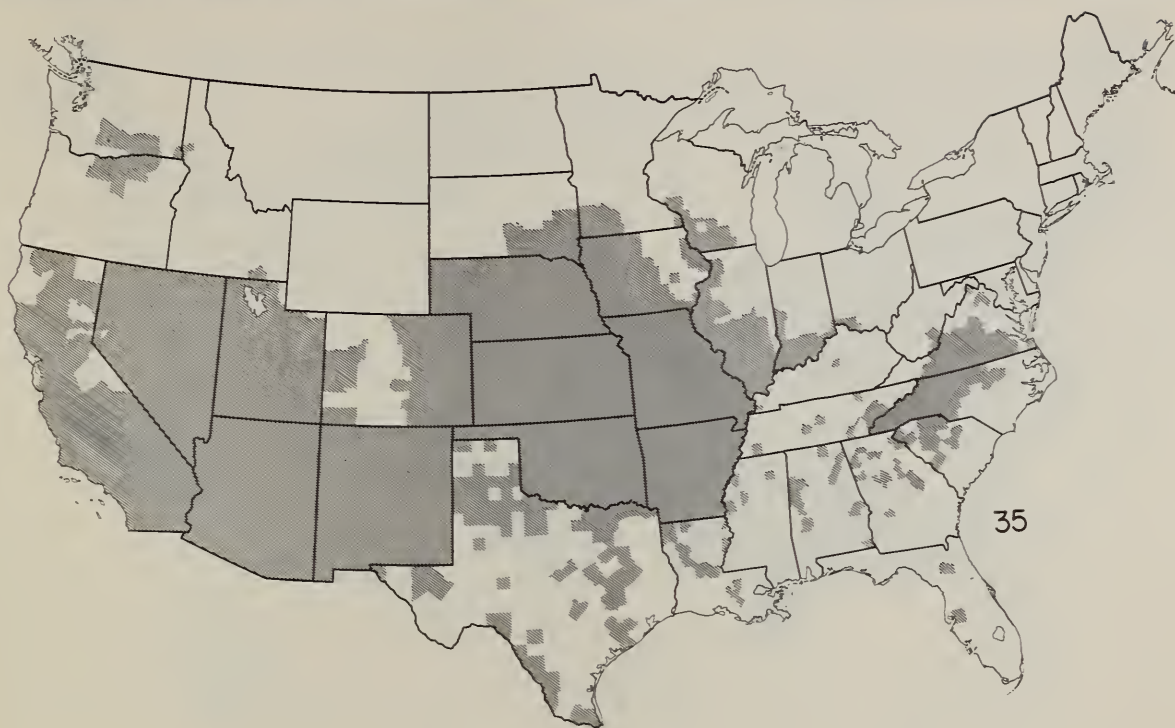
Sitona cylindricollis (sweetclover weevil)



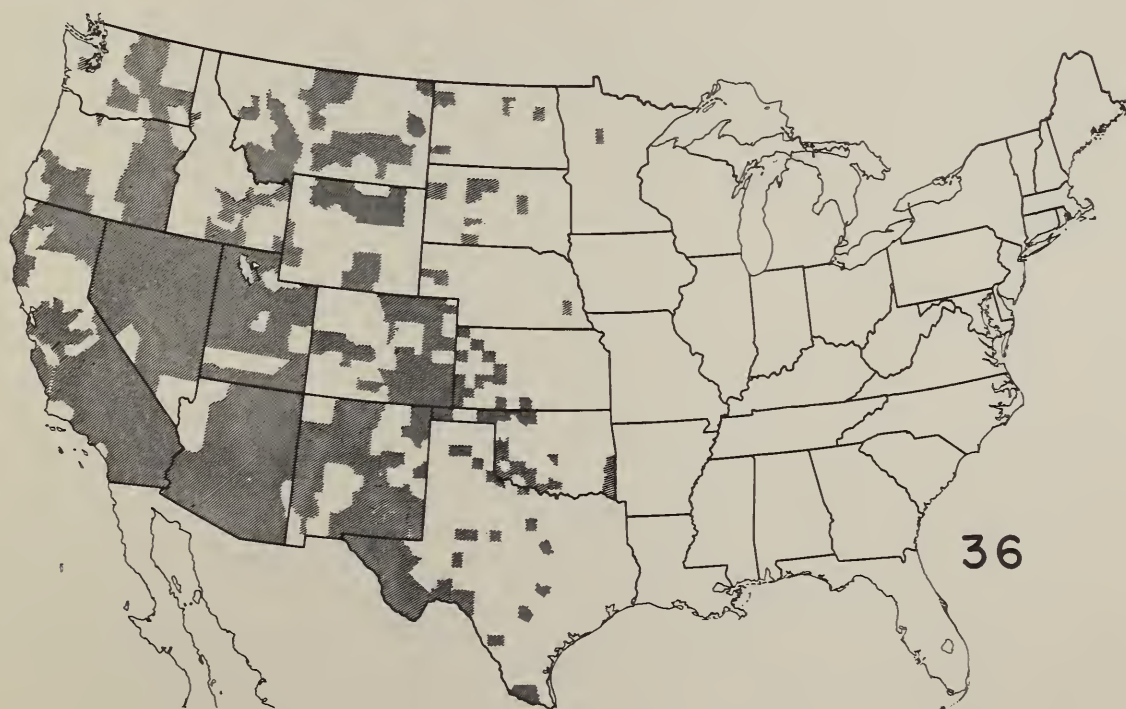


CEREAL AND FORAGE INSECTS

Therioaphis maculata (spotted alfalfa aphid)



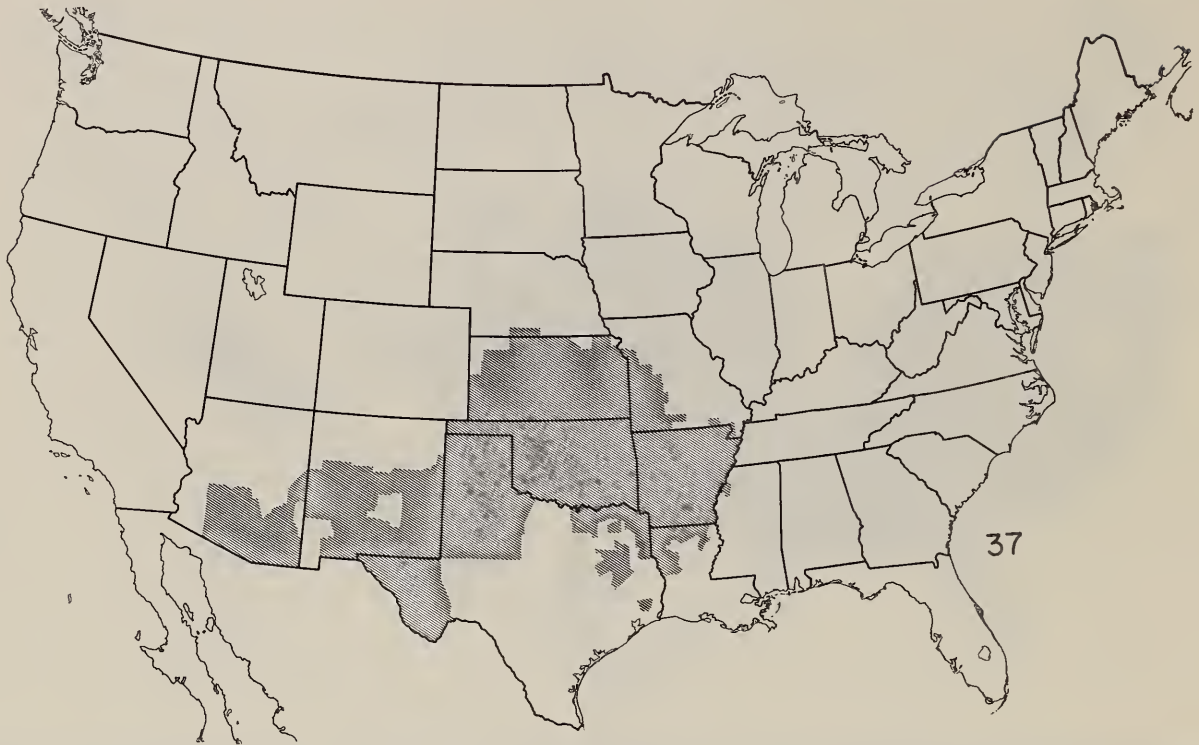
Trimerotropis pallidipennis (a grasshopper)





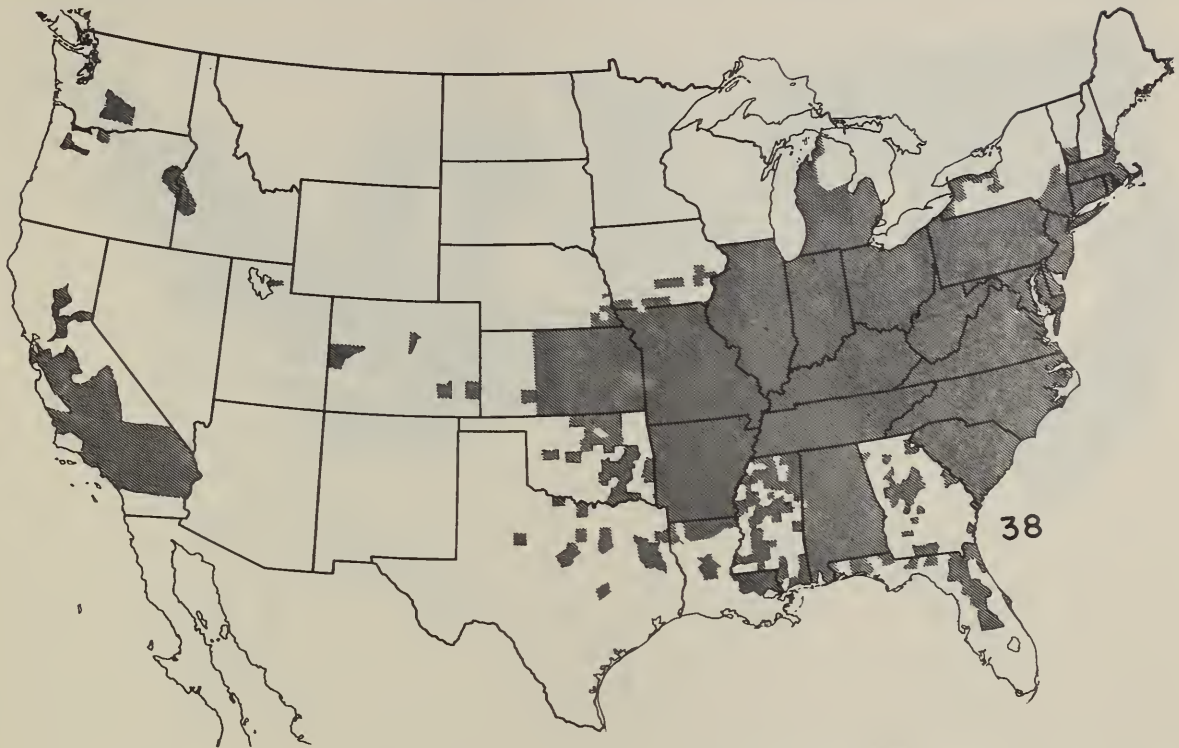
CEREAL AND FORAGE INSECTS

Zeadiatraea grandiosella (southwestern corn borer)



FRUIT INSECTS

Grapholitha molesta (oriental fruit moth)

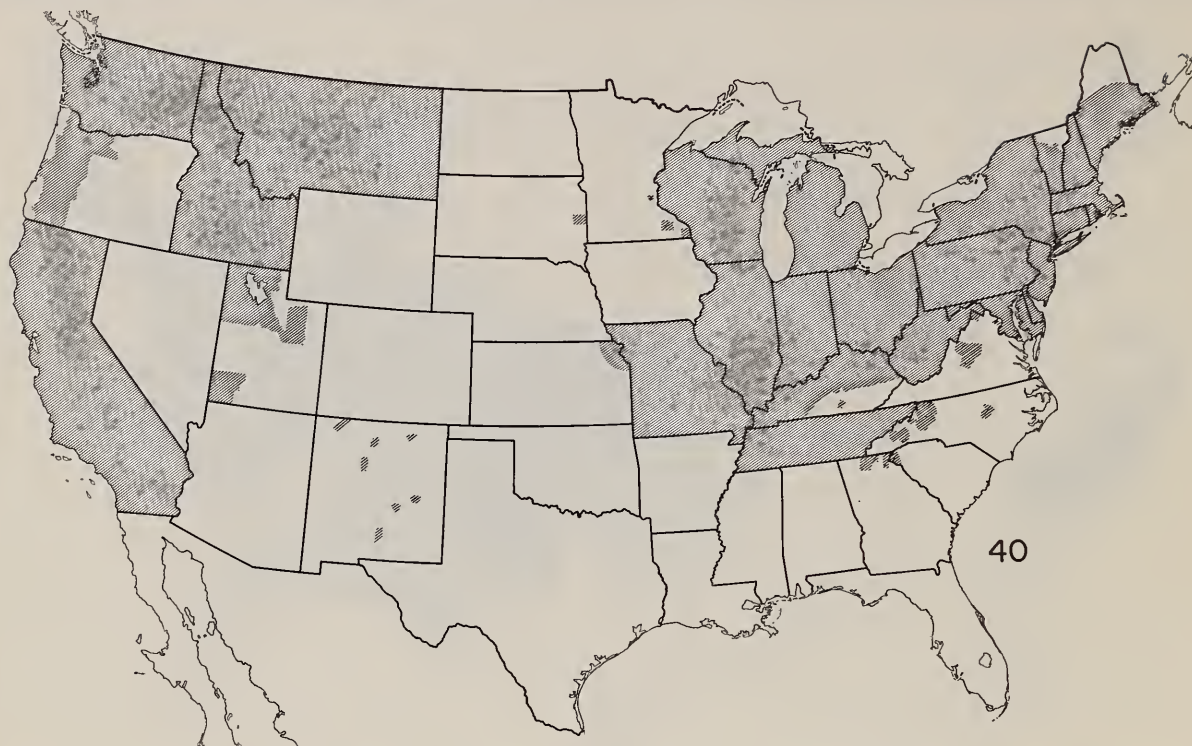


Hoplocampa testudinea (European apple sawfly)



FRUIT INSECTS

Panonychus ulmi (European red mite)



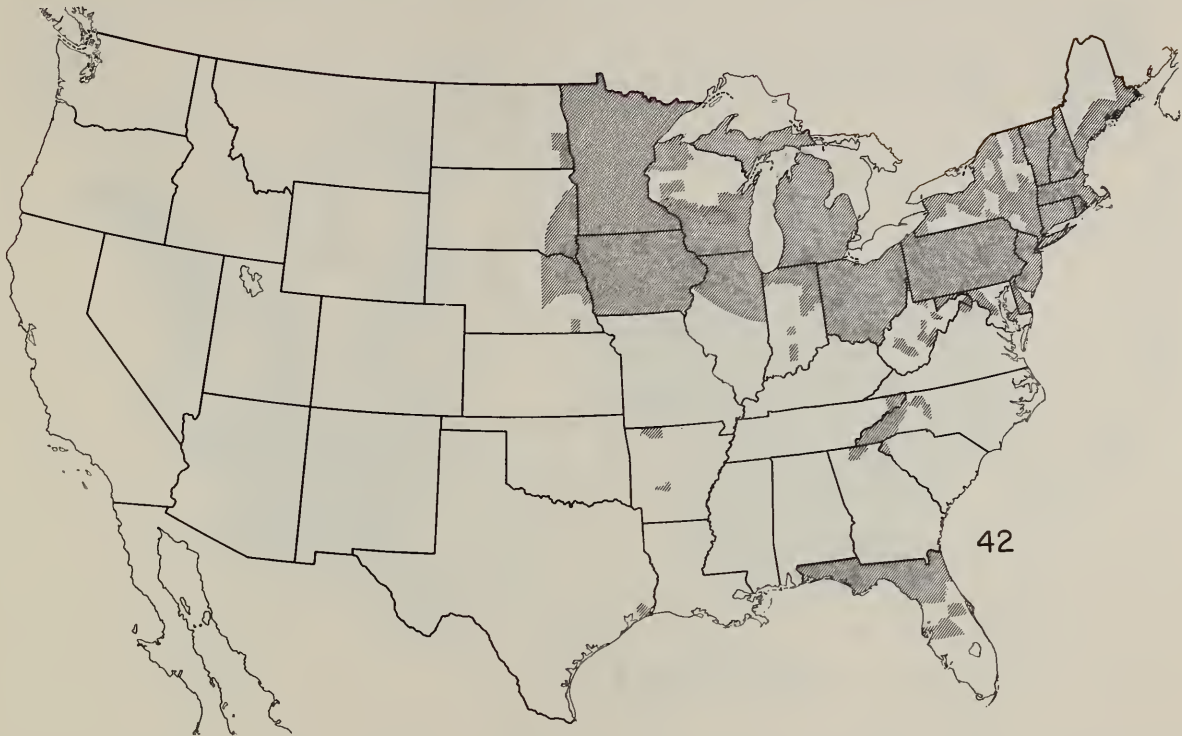
Psylla pyricola (pear psylla)





FRUIT INSECTS

Rhagoletis pomonella (apple maggot)

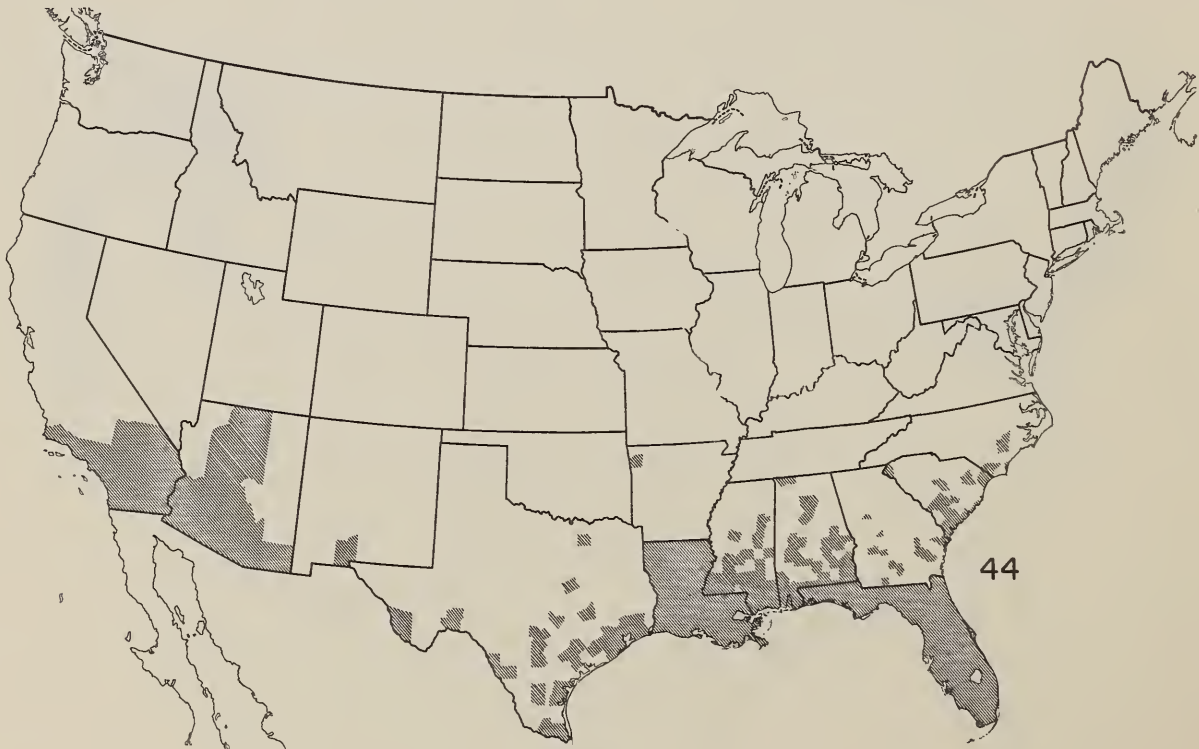


TRUCK CROP INSECTS

Autoserica castanea (Asiatic garden beetle)

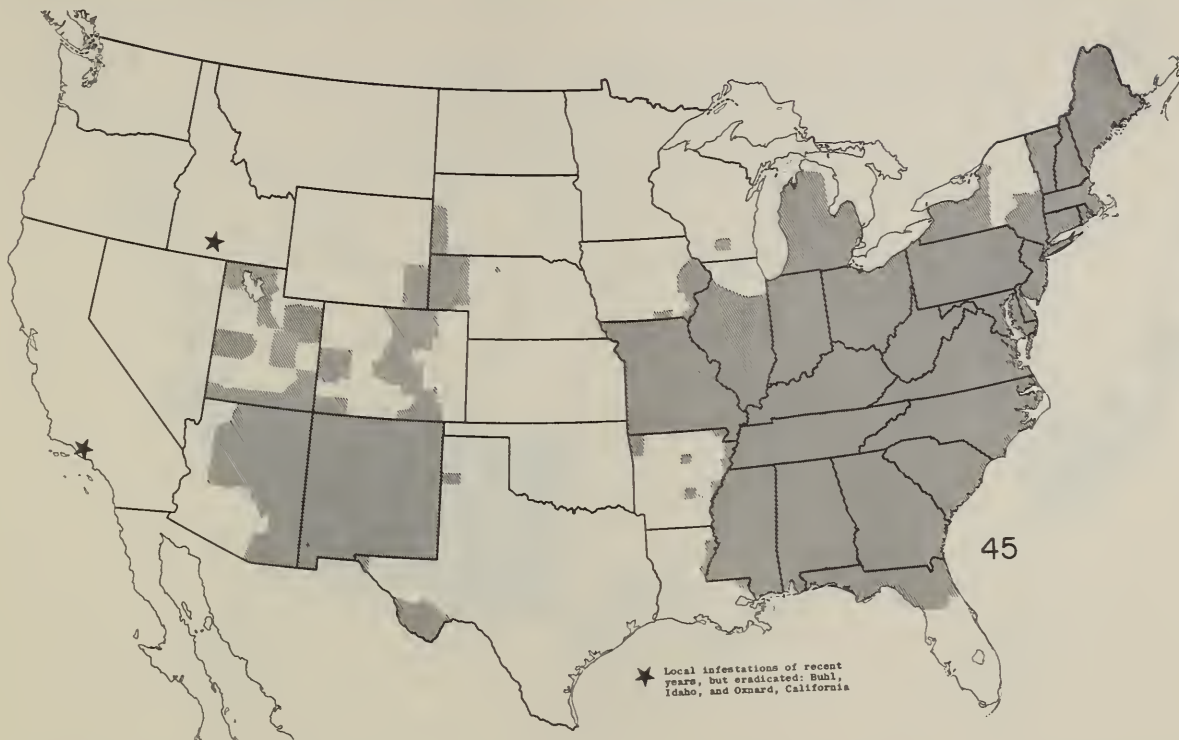


Diabrotica balteata (banded cucumber beetle)

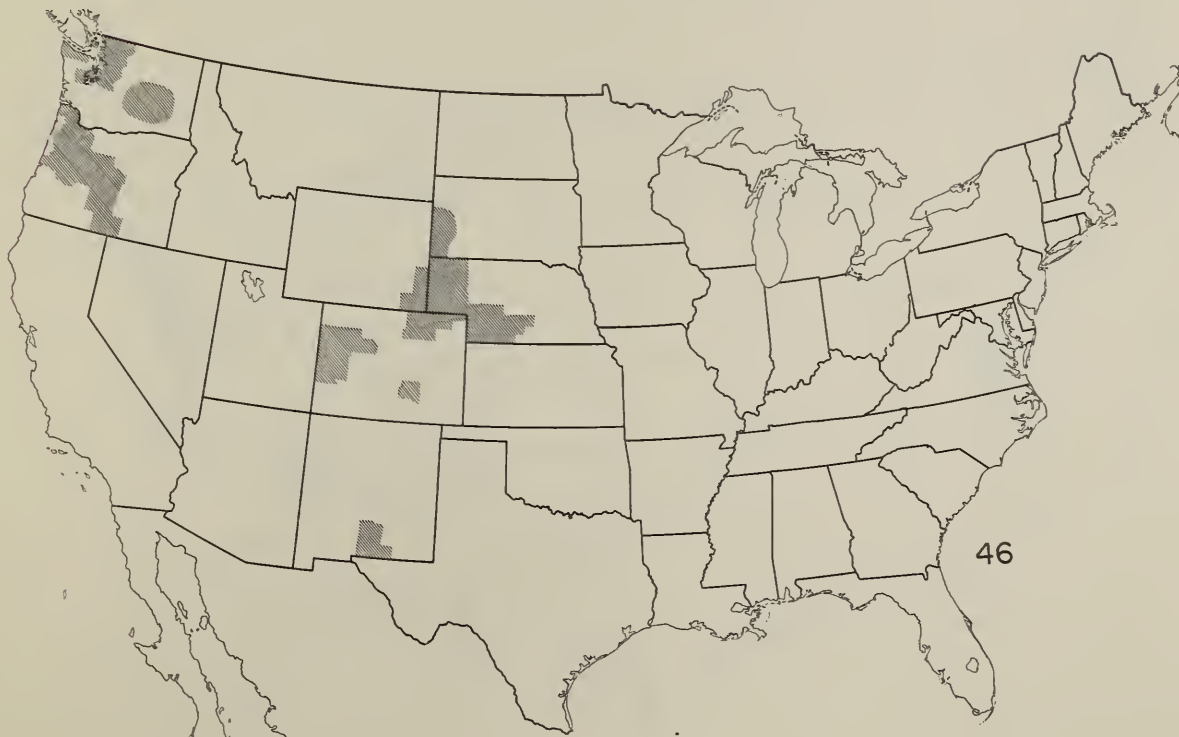


TRUCK CROP INSECTS

Epilachna varivestis (Mexican bean beetle)



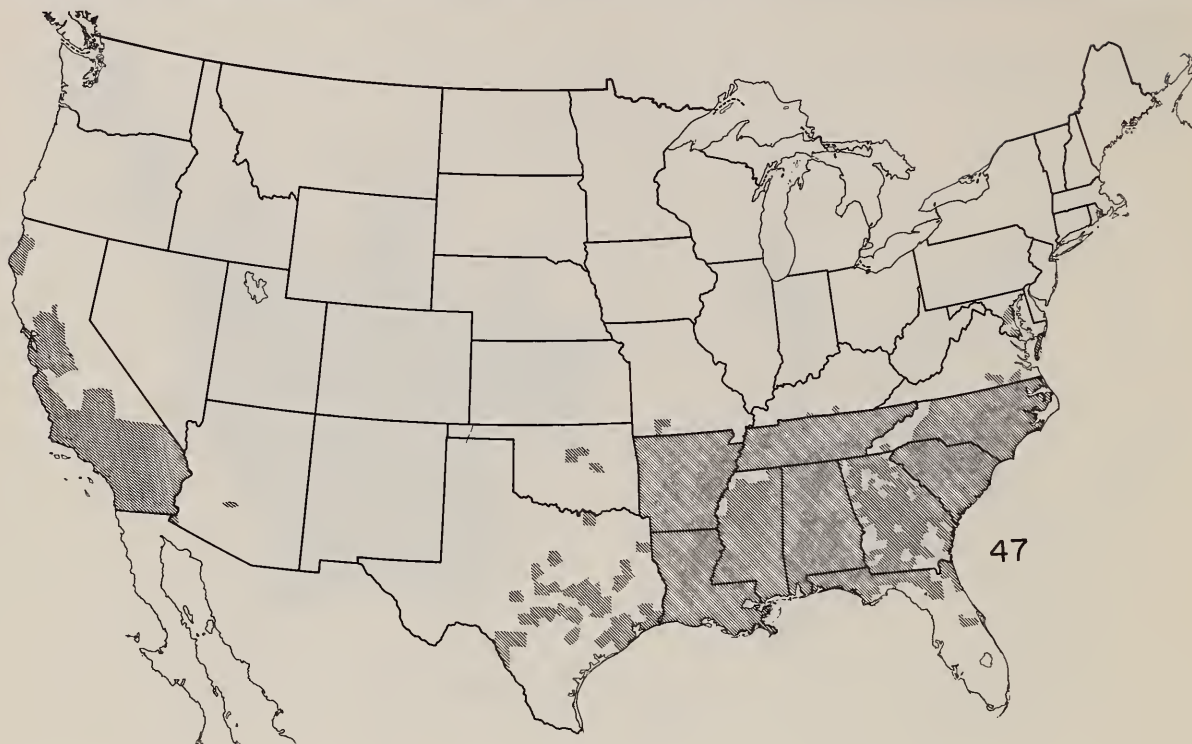
Epitrix tuberis (tuber flea beetle)





TRUCK CROP INSECTS

Listroderes costirostris obliquus (vegetable weevil)



Zonosemata electa (pepper maggot)



FOREST INSECTS

Calomycterus setarius (a Japanese weevil)

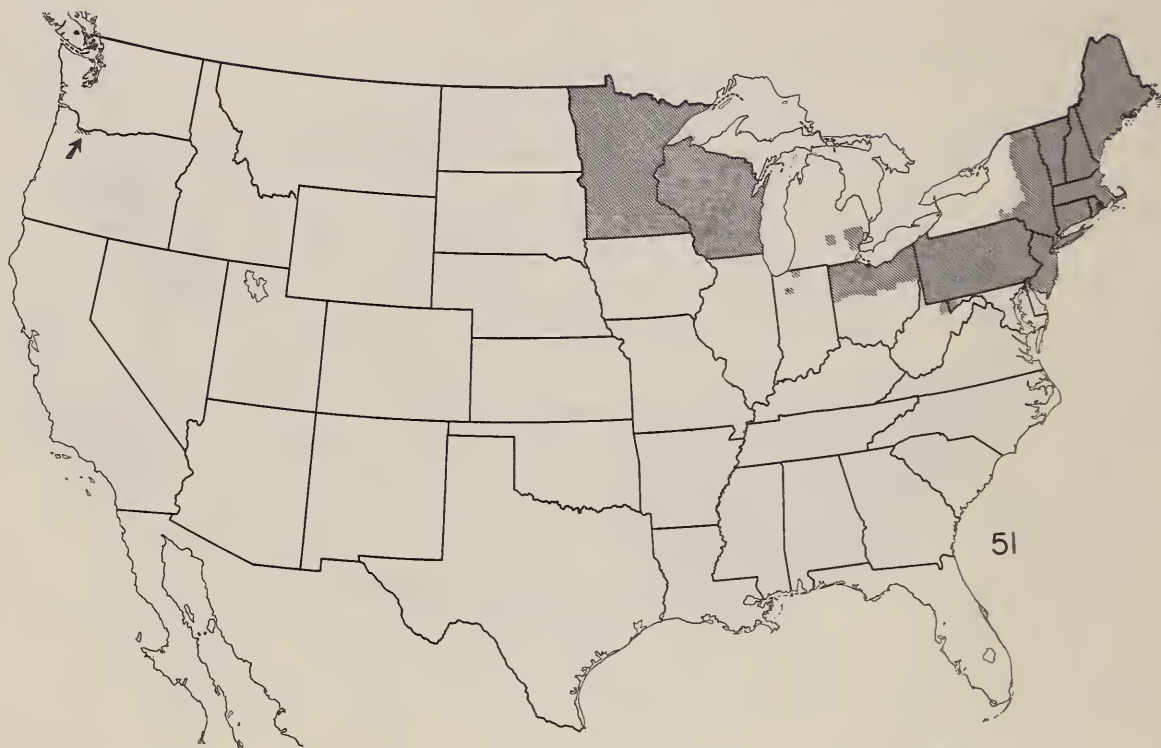


Cyrtopistomus castaneus (Asiatic oak weevil)

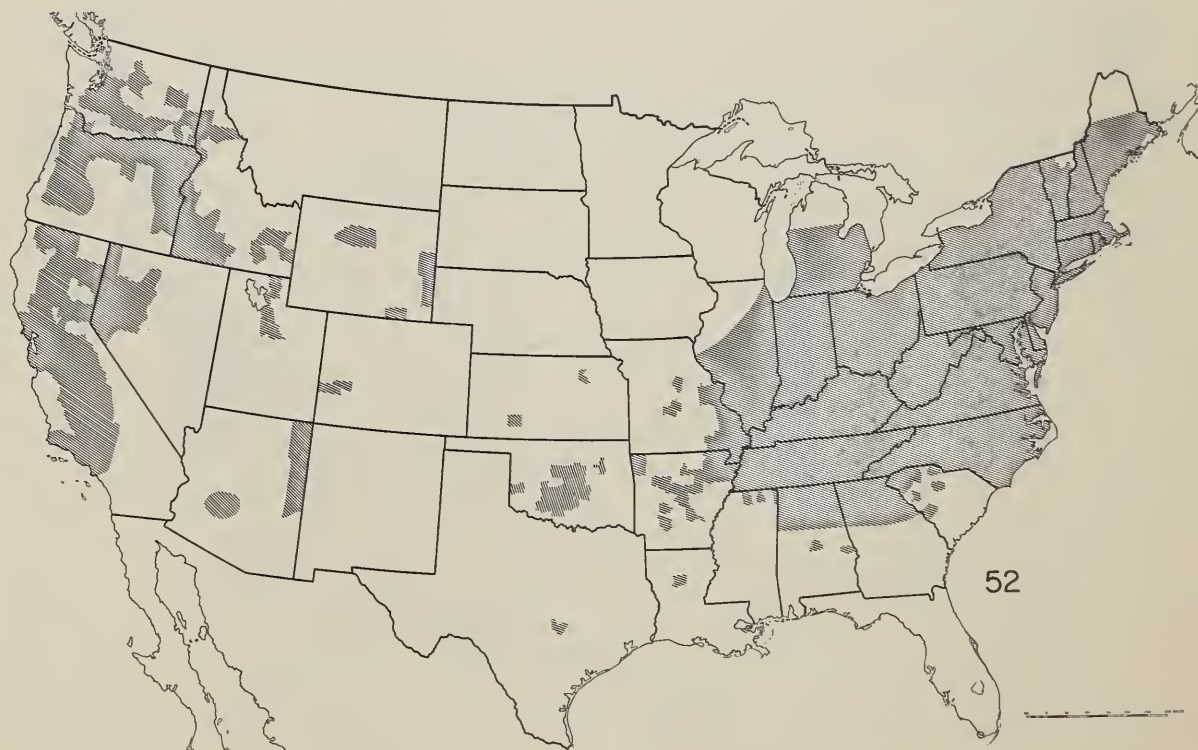


FOREST INSECTS

Fenusa pusilla (birch leaf miner)



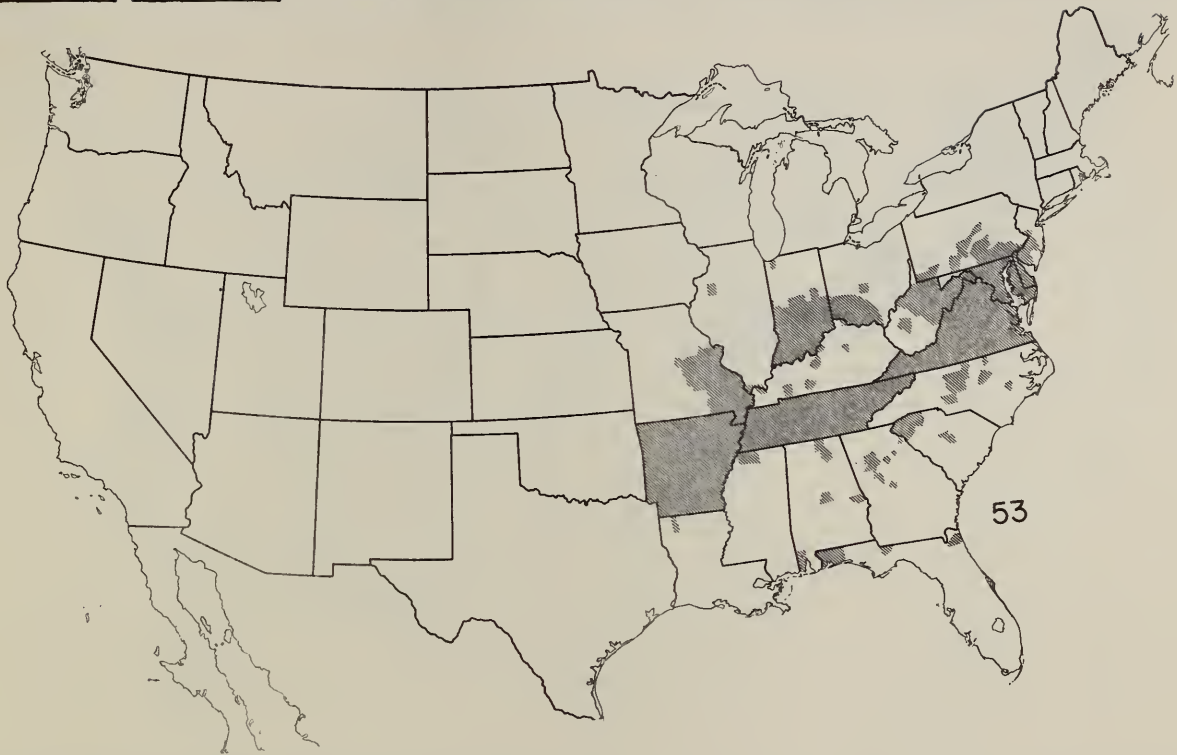
Galerucella xanthomelaena (elm leaf beetle)



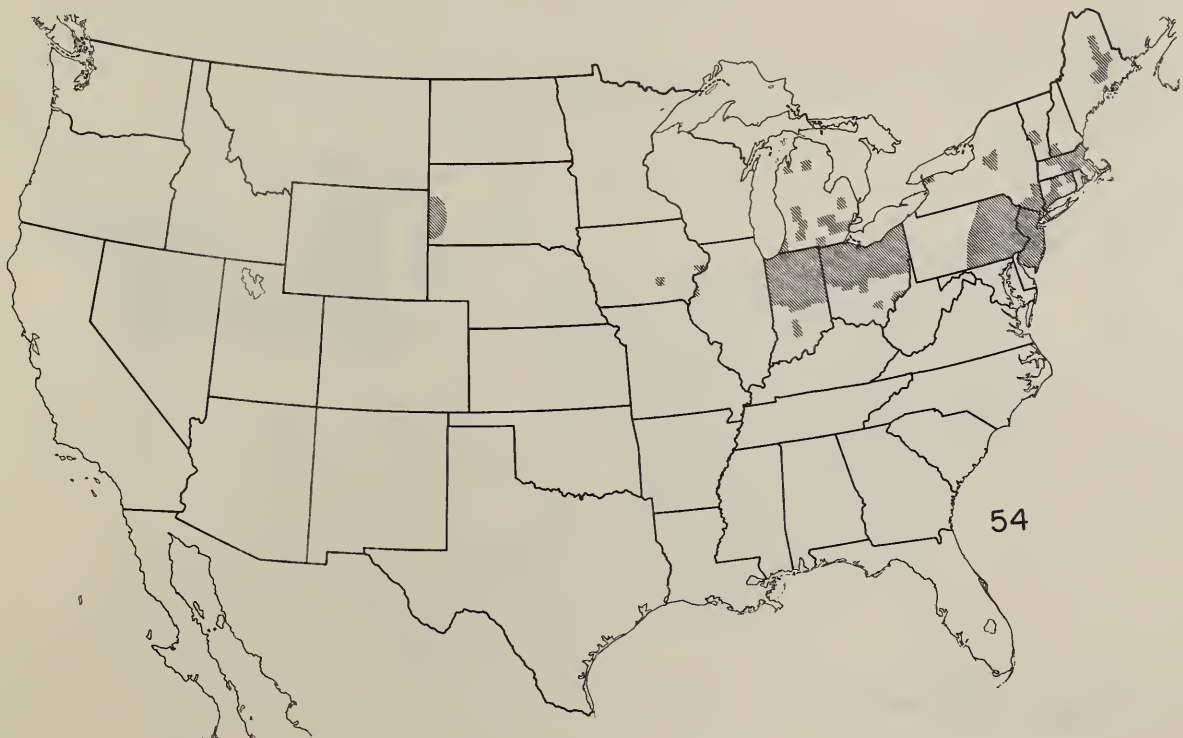


FOREST INSECTS

Homadaula albizziae (mimosa webworm)



Neodiprion sertifer (European pine sawfly)

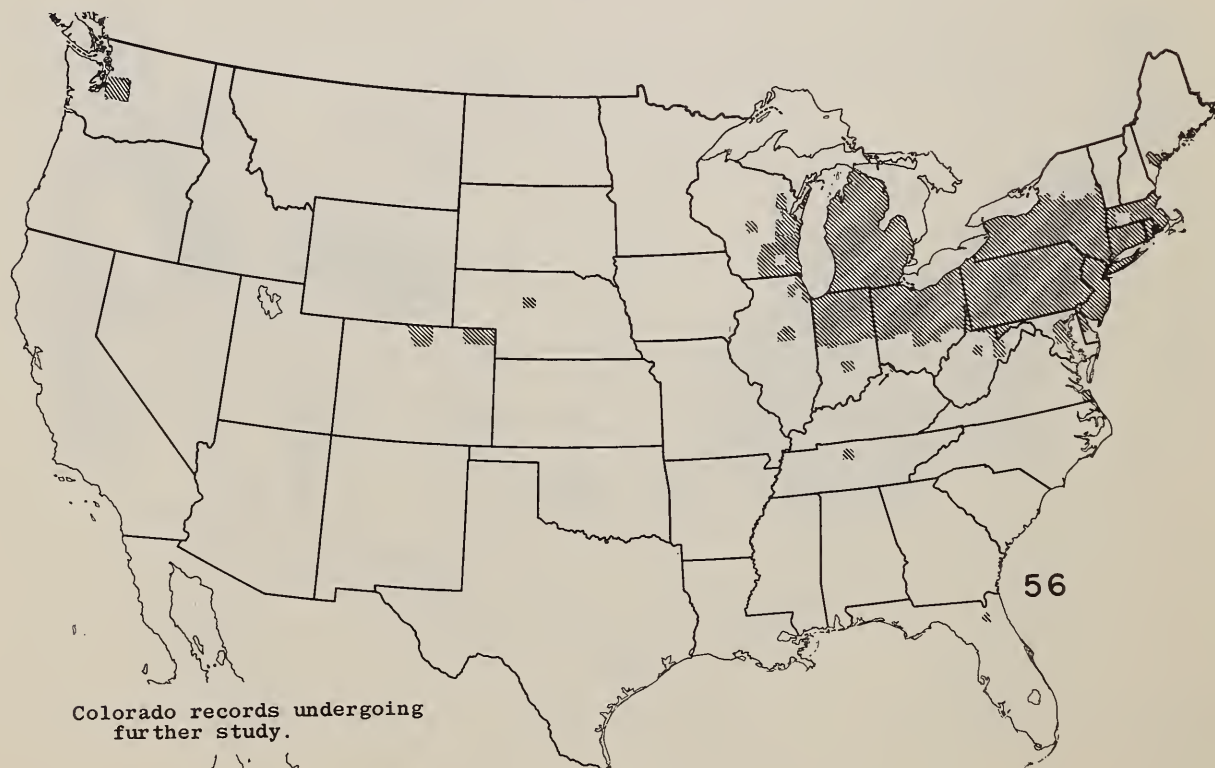


FOREST INSECTS

Pseudocneorhinus bifasciatus (a Japanese weevil)



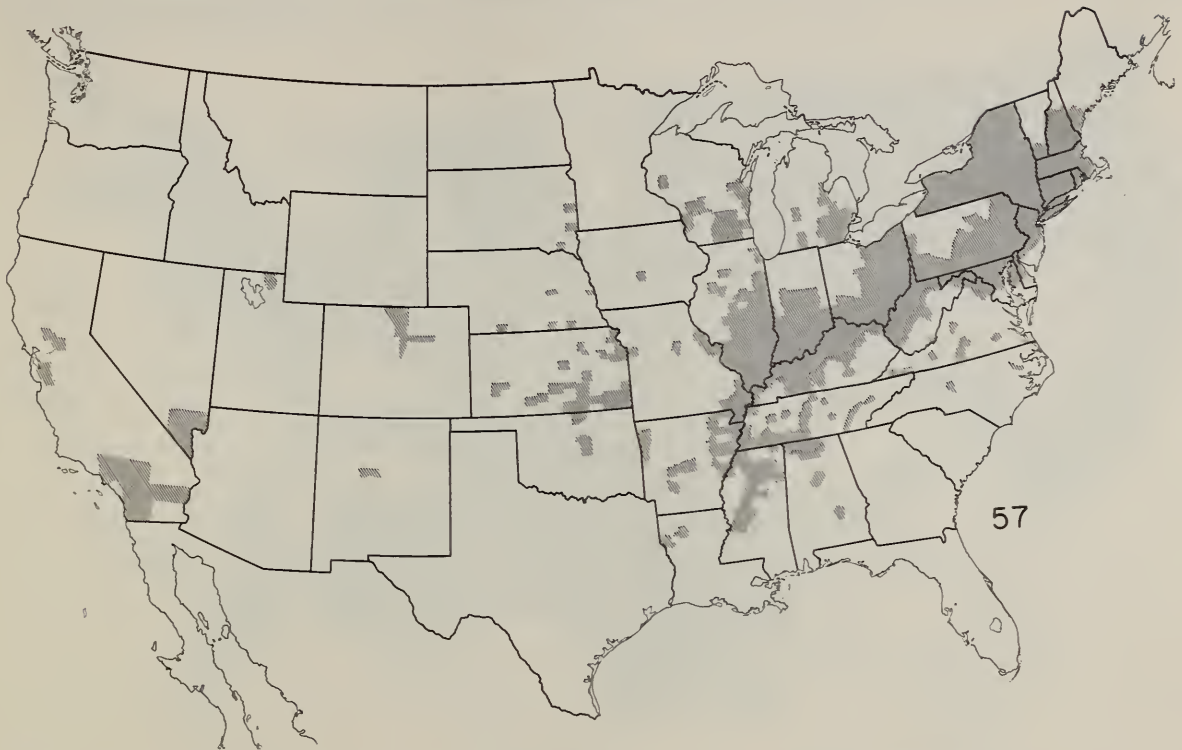
Rhyacionia buoliana (European pine shoot moth)



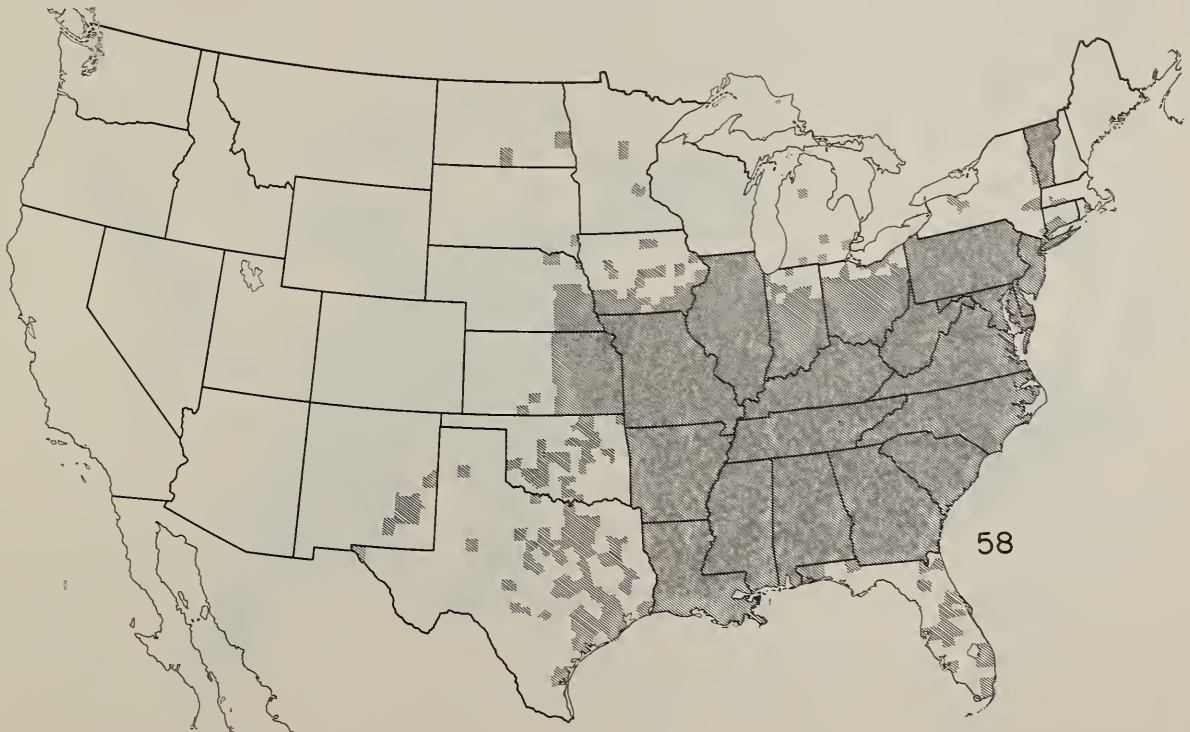
Colorado records undergoing  
further study.

FOREST INSECTS

Scolytus multistriatus (smaller European elm bark beetle)



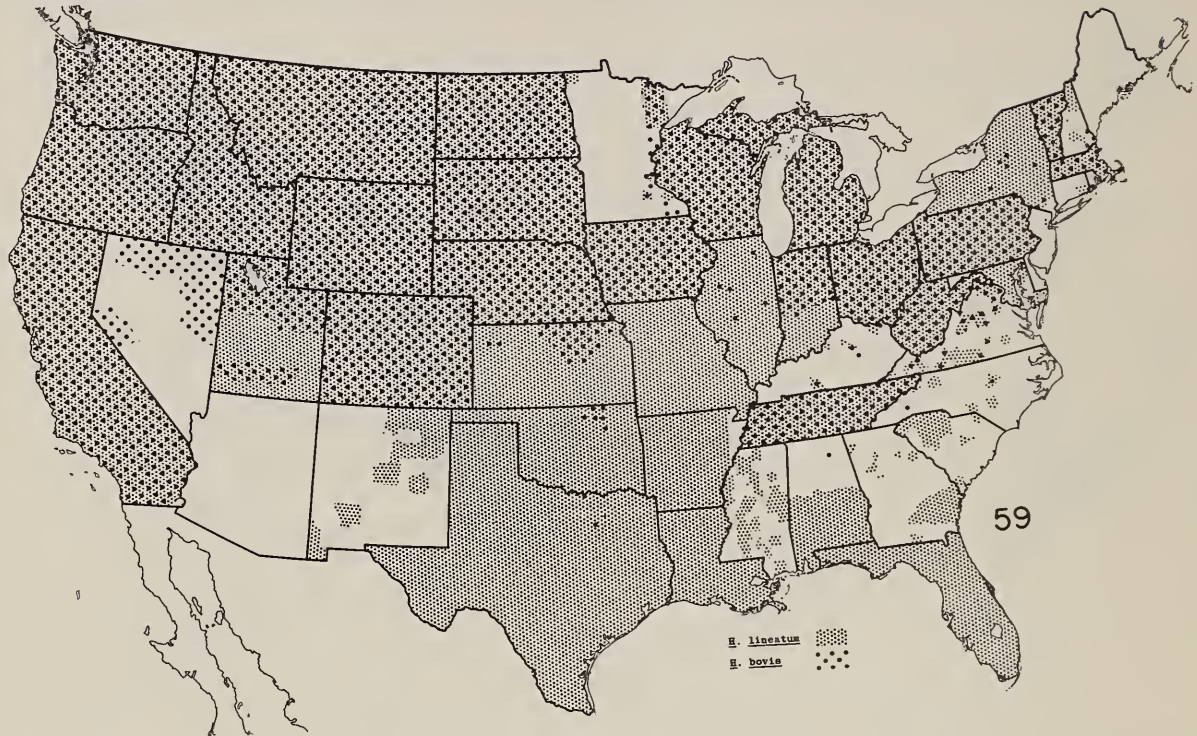
Thyridopteryx ephemeraeformis (bagworm)



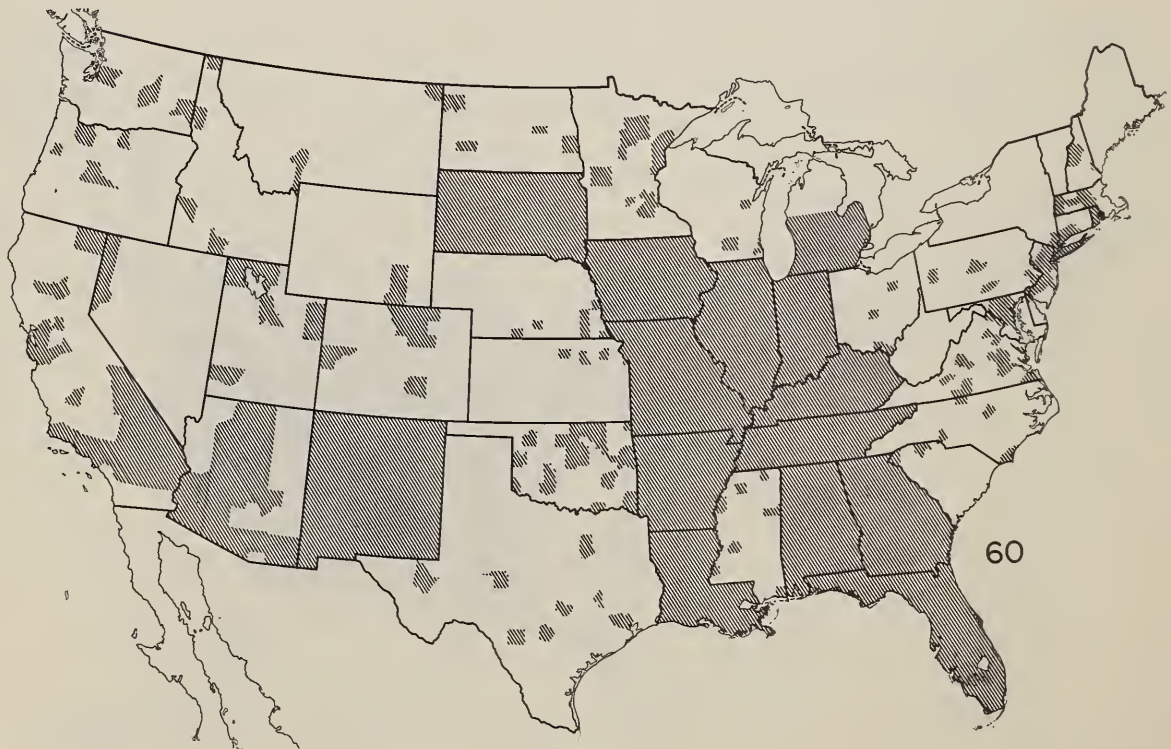


INSECTS AFFECTING MAN AND ANIMALS

Hypoderma spp. (cattle grubs)

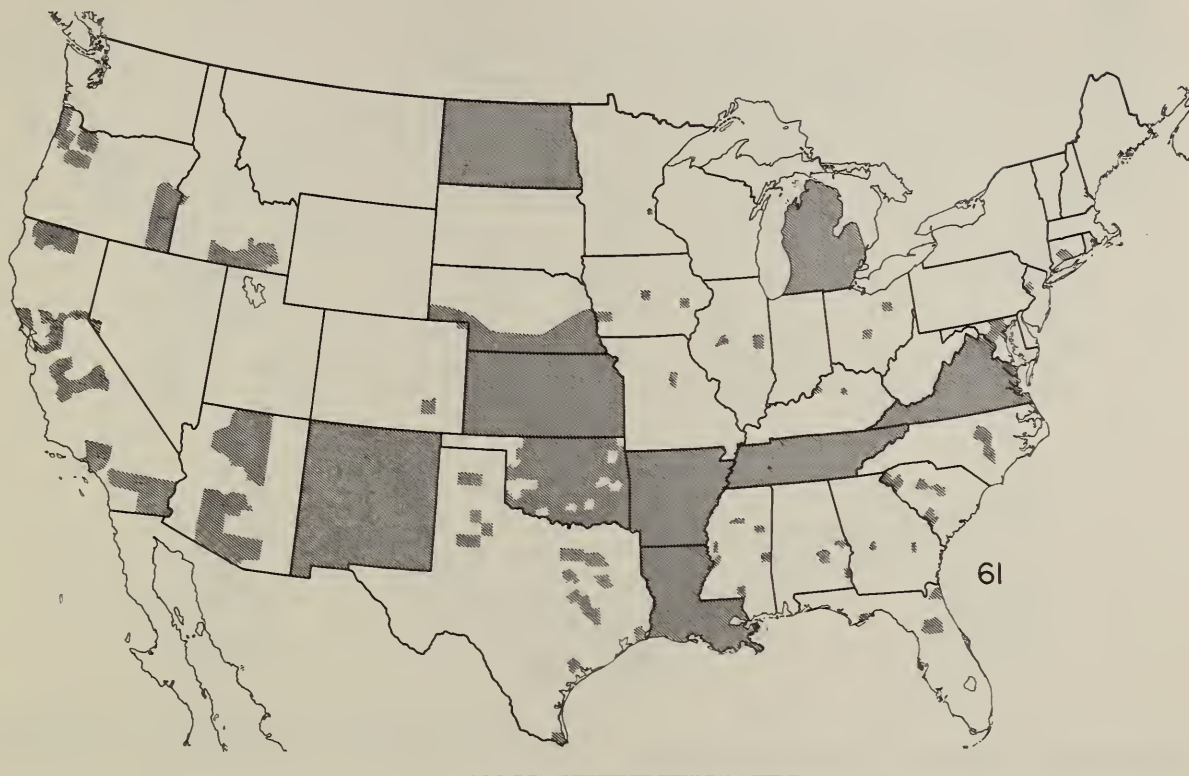


Supella supellectilium (brown-banded roach)



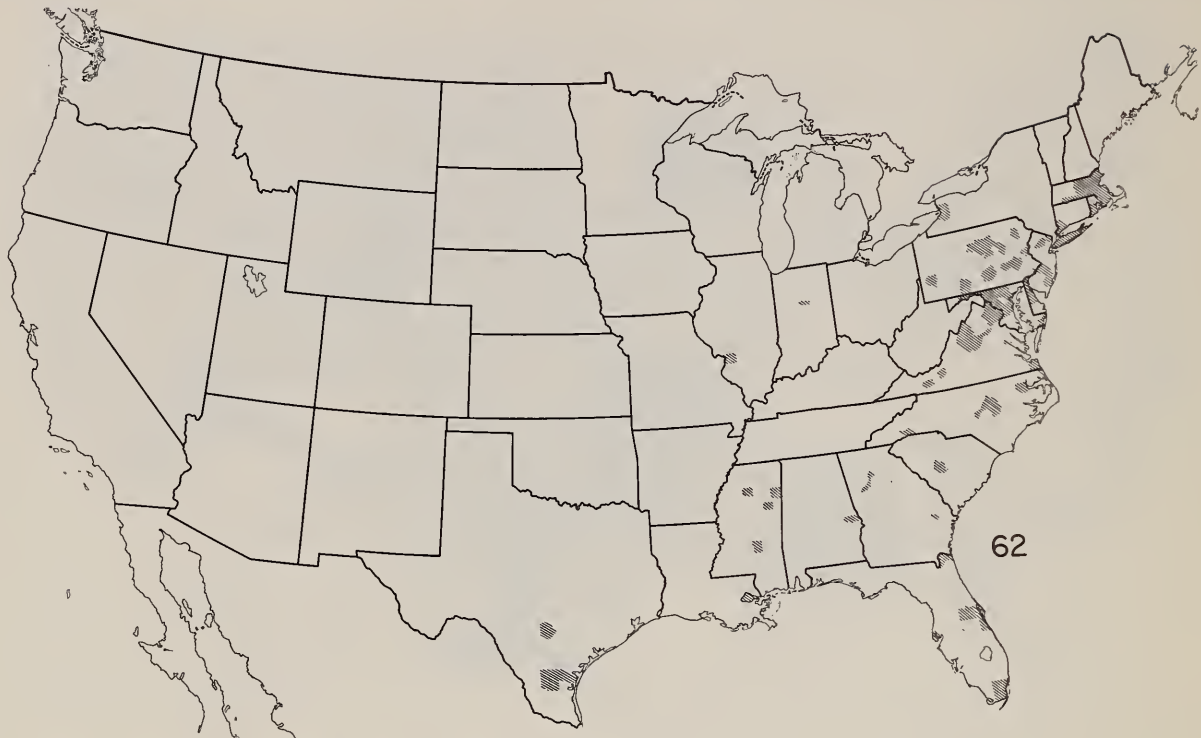
STORED-PRODUCT INSECTS

Rhyzopertha dominica (lesser grain borer)

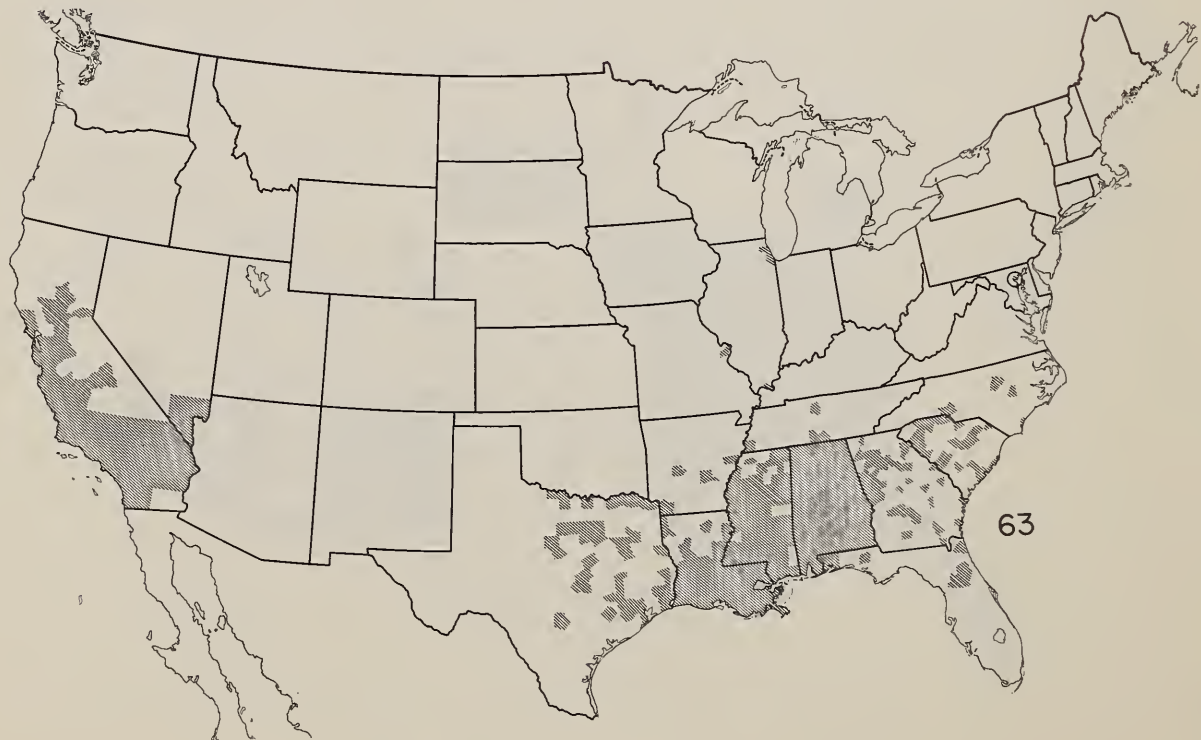


MISCELLANEOUS INSECTS

Hylotrupes bajulus (old-house borer)



Iridomyrmex humilis (Argentine ant)





MISCELLANEOUS INSECTS

Platynota flavedana (a leaf roller)



Platynota idaeusalis (a leaf roller)



MISCELLANEOUS INSECTS

Platynota nigrocervina (a leaf roller)



Platynota rostrana (a leaf roller)

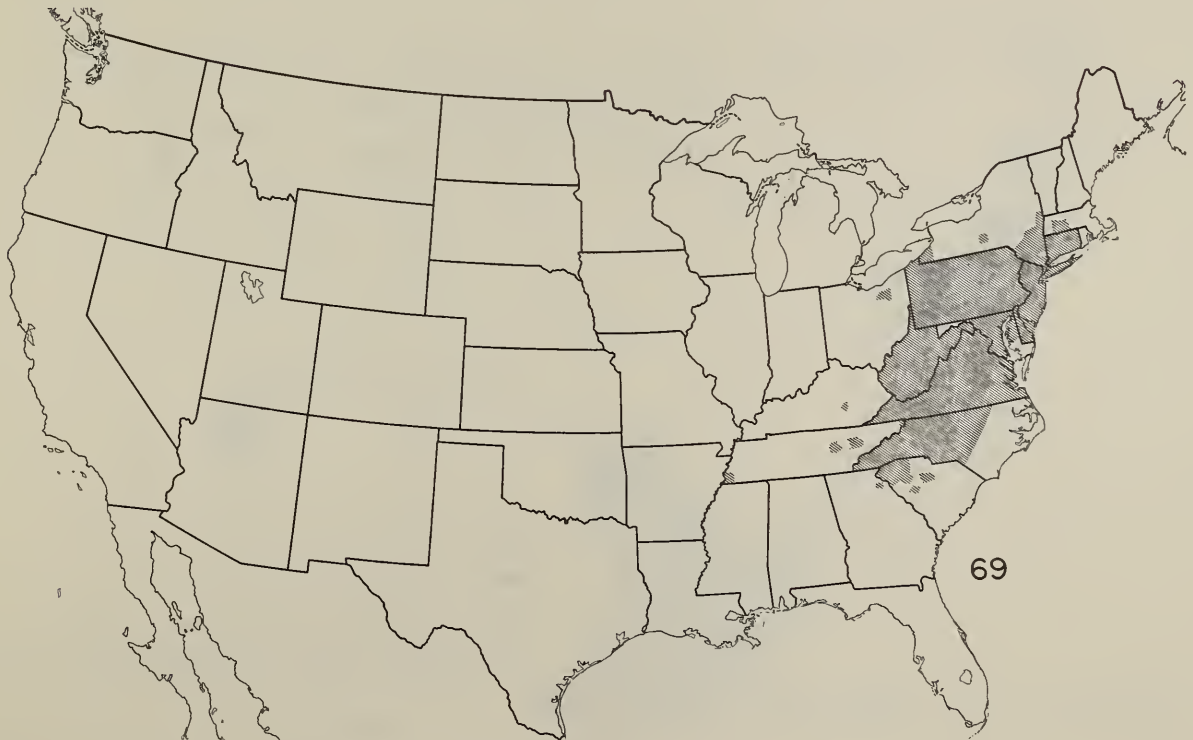


MISCELLANEOUS INSECTS

Platynota stultana (a leaf roller)



Vespa crabro germana (giant hornet)



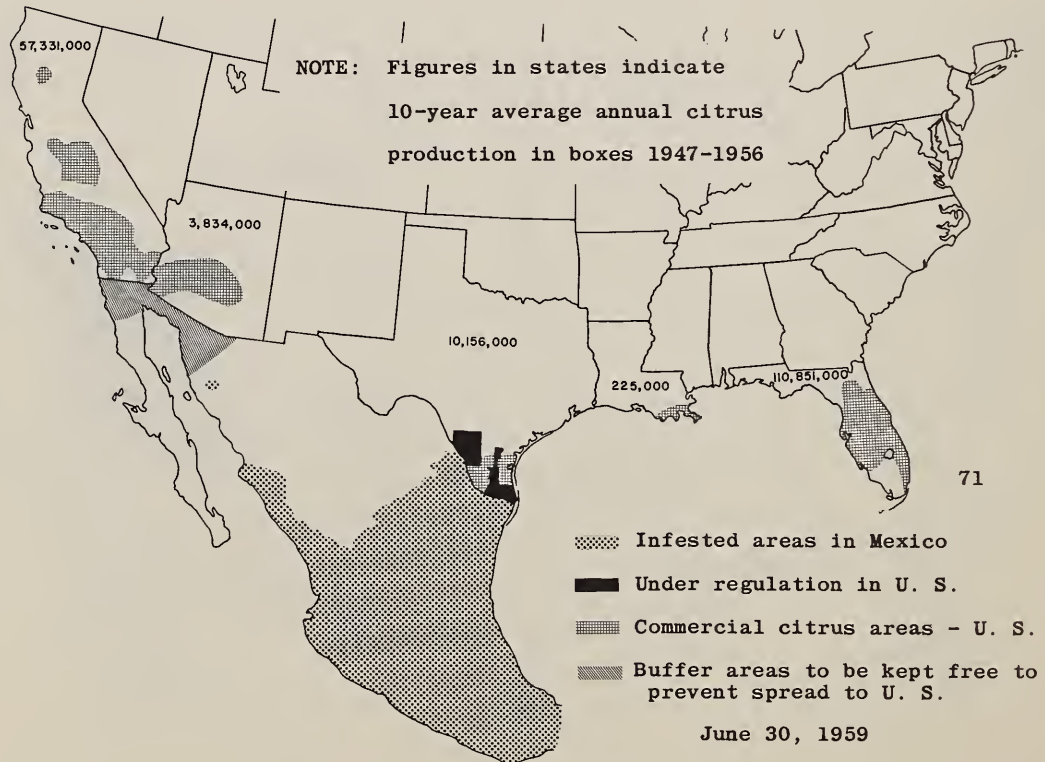


SOME INSECTS AND NEMATODES UNDER STATE  
OR FEDERAL REGULATION

Amphimallon majalis (European chafer)

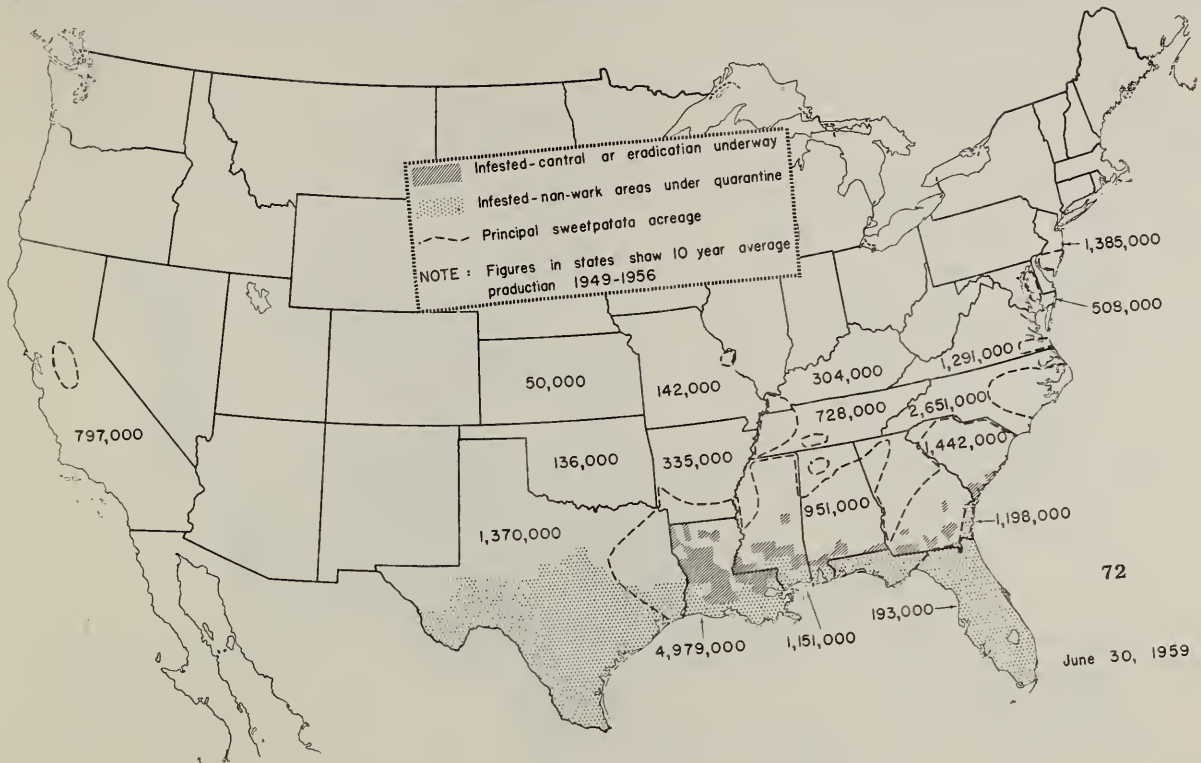


Anastrepha ludens (Mexican fruit fly)

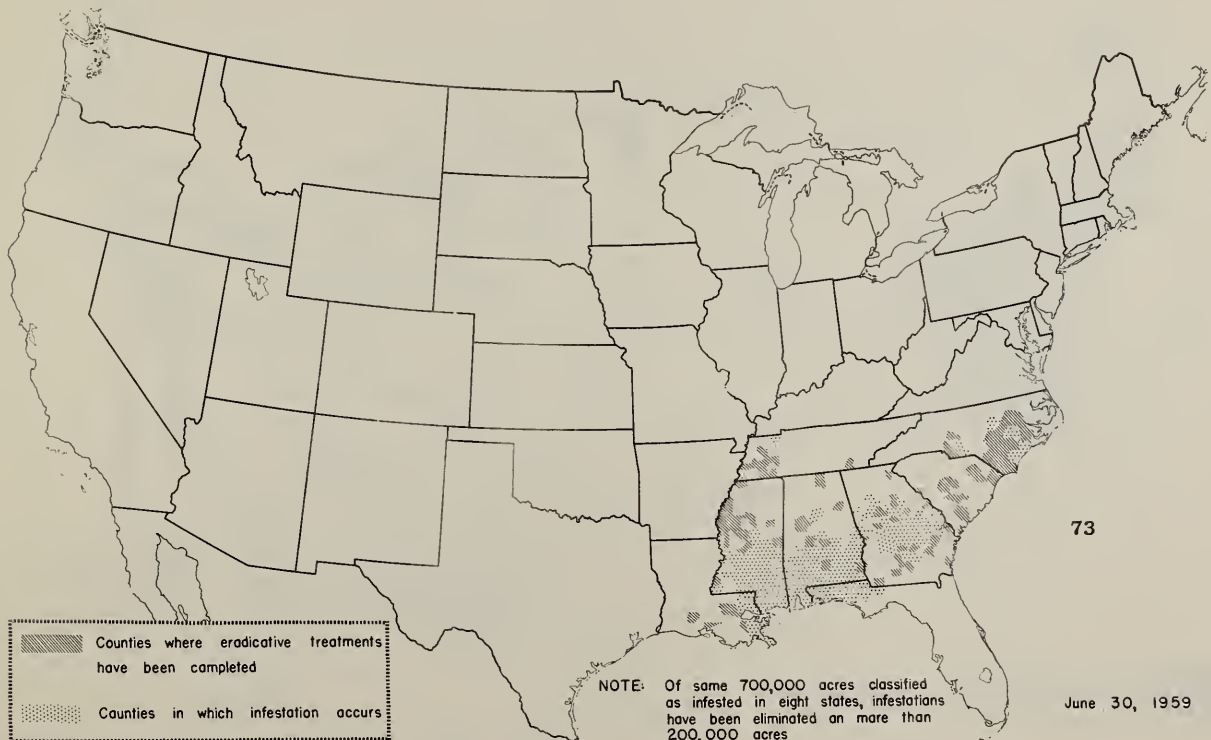


SOME INSECTS AND NEMATODES UNDER STATE  
OR FEDERAL REGULATION

Cylas formicarius elegantulus (sweetpotato weevil)

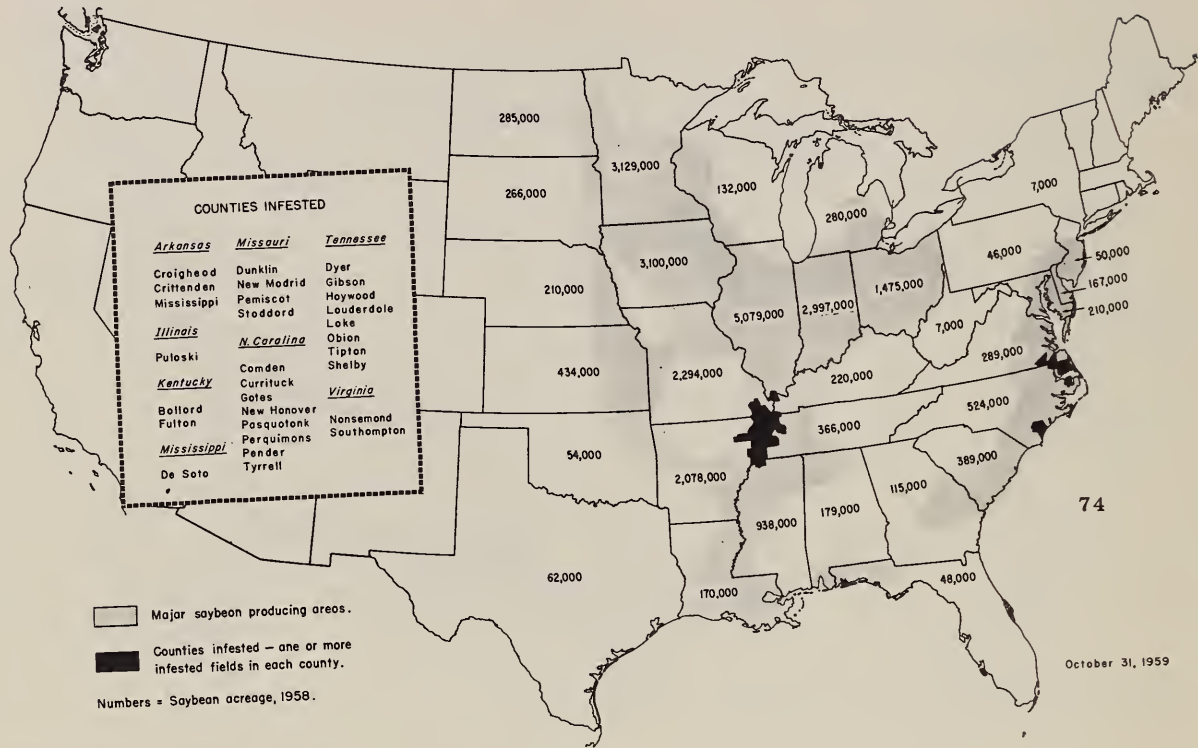


Graphognathus spp. (white-fringed beetles)



# SOME INSECTS AND NEMATODES UNDER STATE OR FEDERAL REGULATION

## Heterodera glycines (soybean cyst nematode)



## Heterodera rostochiensis (golden nematode)

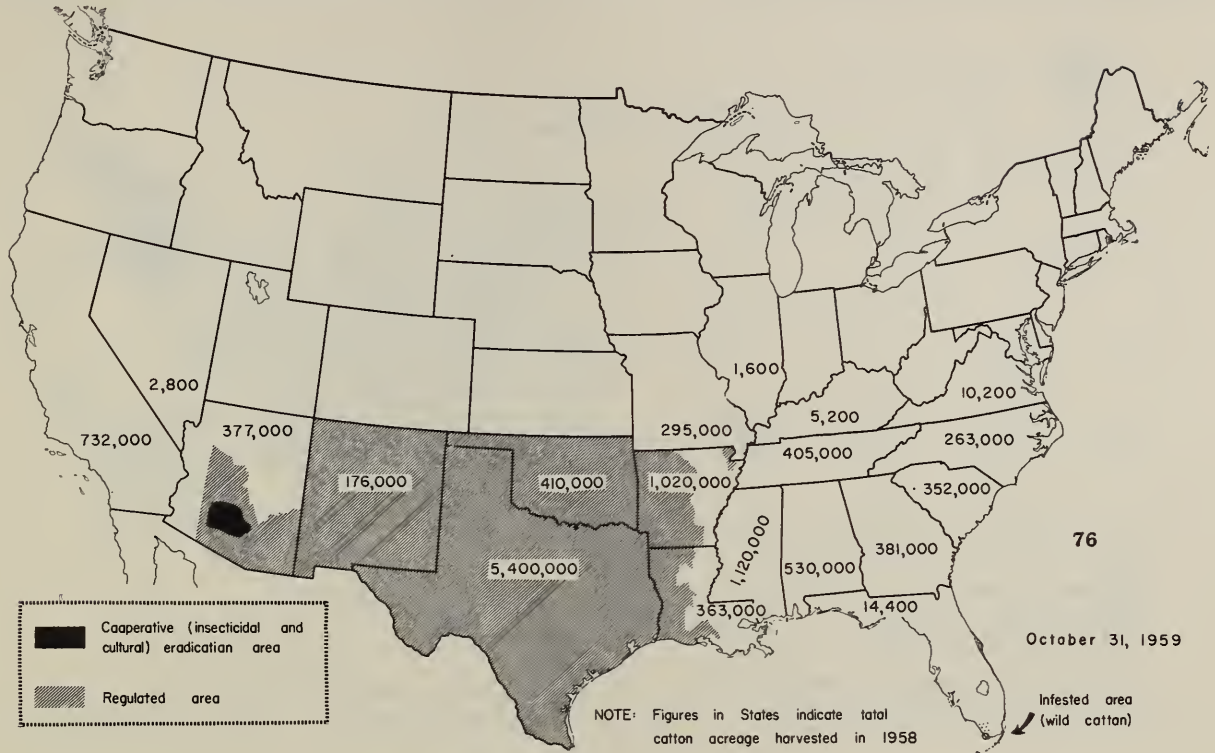


\*Commercial potato producing areas

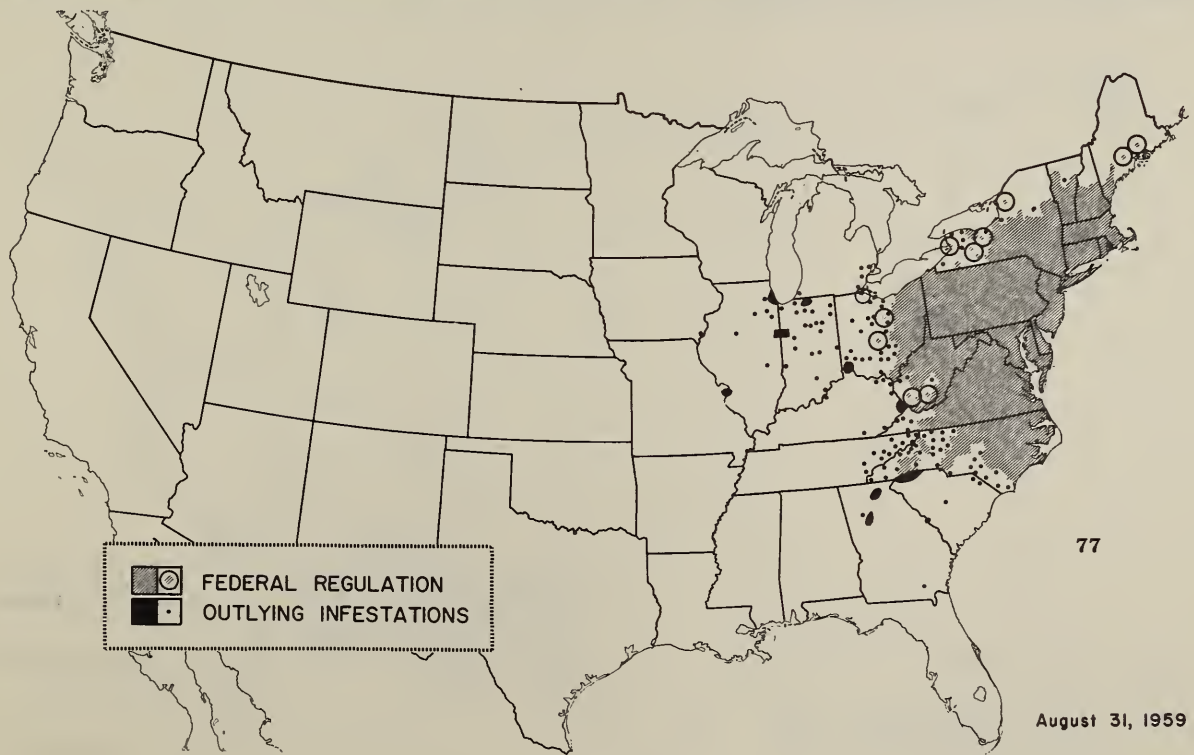


SOME INSECTS AND NEMATODES UNDER STATE  
OR FEDERAL REGULATION

Pectinophora gossypiella (pink bollworm)

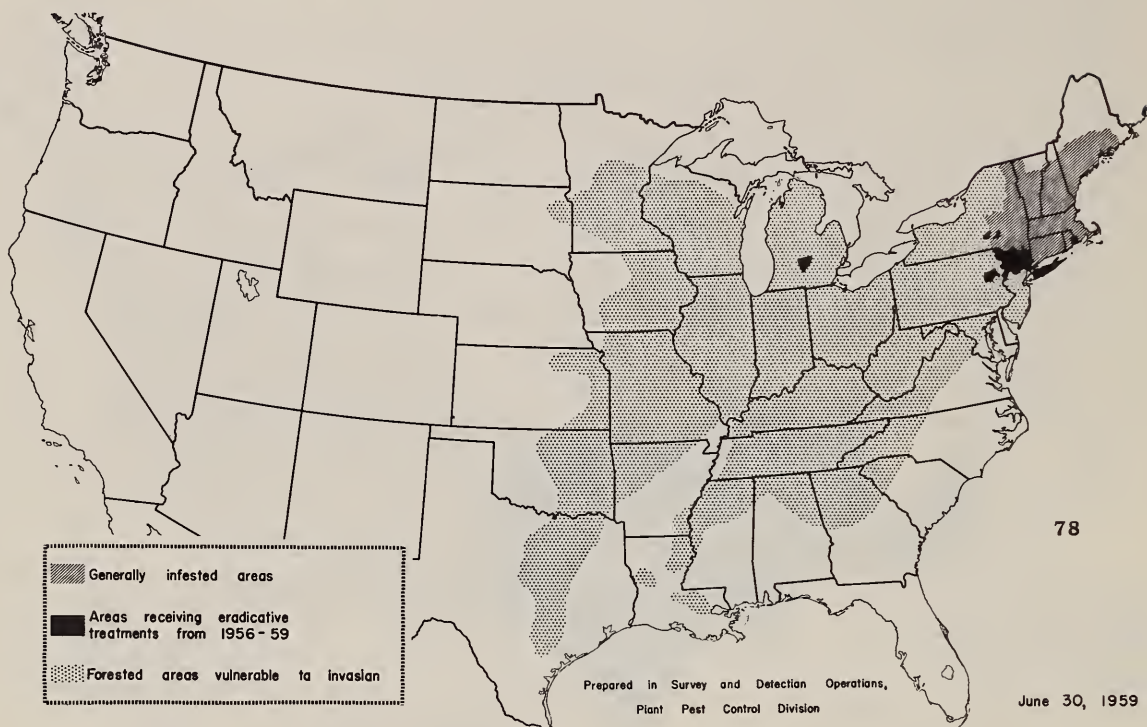


Popillia japonica (Japanese beetle)

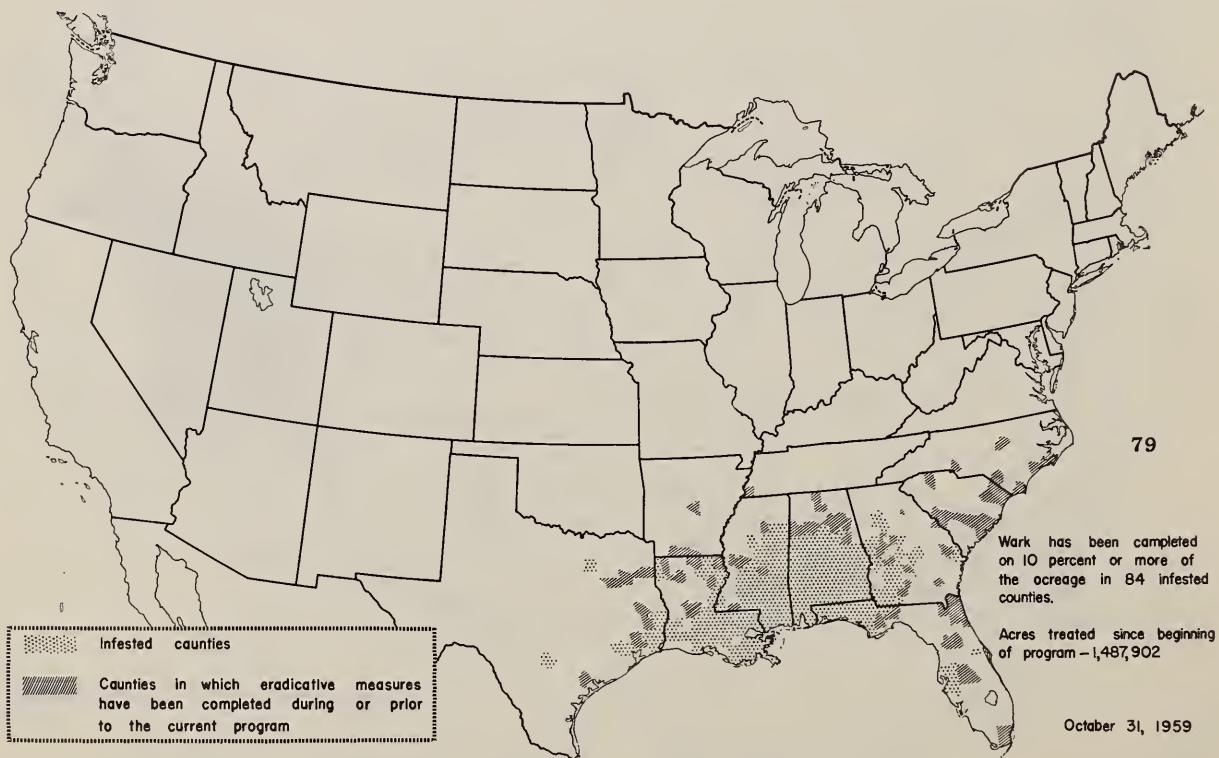


# SOME INSECTS AND NEMATODES UNDER STATE OR FEDERAL REGULATION

## Porthetria dispar (gypsy moth)

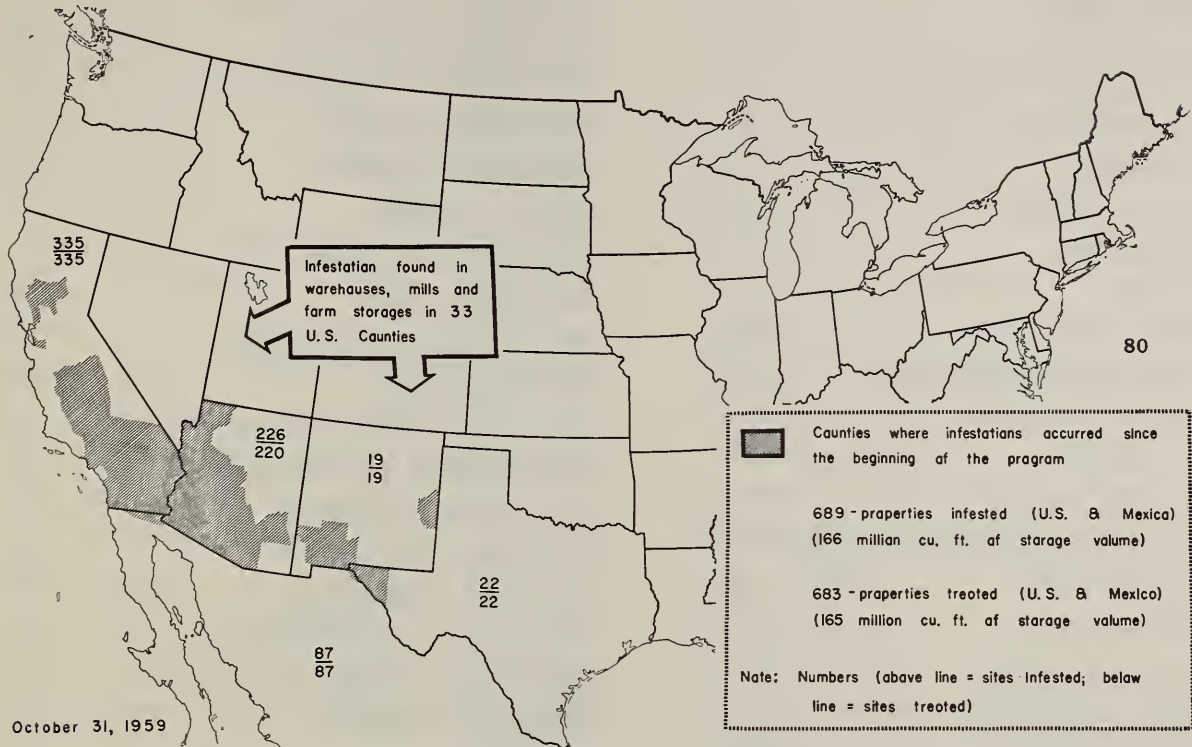


## Solenopsis saevissima richteri (imported fire ant)



SOME INSECTS AND NEMATODES UNDER STATE  
OR FEDERAL REGULATION

Trogoderma granarium (khapra beetle)





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